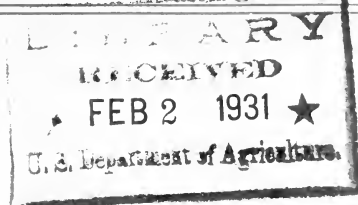


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GARDEN ANNUAL



EVERYTHING

FOR THE

GARDEN

1931

JOHNSON'S SEED STORE

CLEVELAND - - 2172 EAST NINTH ST. - - OHIO

CLEVELAND'S LEADING AND MOST CONVENIENT SEED STORE

Vegetable Seed Trials

AN INDUCEMENT TO ORDER EARLY
For Orders Received Before April 1st We Will Allow
20 Per Cent Extra Value Free

If your order amounts to \$5.00, you may select ten 10c Pkts. Free. If it amounts to \$3.00, select six 10c Pkts. Free. If it amounts to \$1.00, you may select two 10c Pkts. Free.

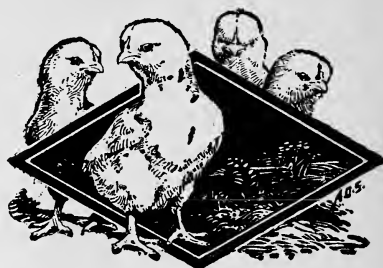
This liberal offer applies only to Vegetable and Flower Seeds ordered from this catalog and received by April 1st.

Take advantage of this unusual offer
Yours for Garden Success

JOHNSON'S SEED STORE
Home of "Seeds That Produce"

Johnson's Superior Quality
BABY CHICKS
VITALITY

VITALITY is the most essential factor to consider when you purchase CHICKS. Eggs from free range stock are used in hatching and we GUARANTEE 100 Per Cent safe arrival. Parcel Post charges are Prepaid. You can depend upon JOHNSON'S SUPERIOR CHICKS being true to breed. Write for our price list.

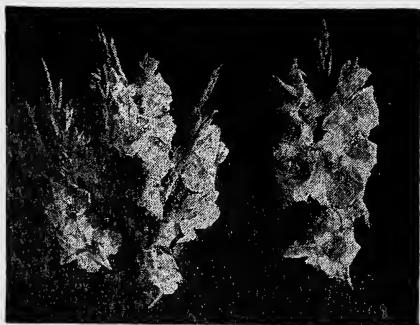


RHODEY'S PLANT TABLETS

RHODEY'S PLANT TABLETS are small, clean, quickly dissolving tablets without odor. Highly concentrated form of nitrogen, ammonia, phosphoric acid and potash in proper balance. Especially good inside where smelly fertilizer cannot be used, but equally effective on roses and other garden flowers.

Everyone who tries RHODEY'S PLANT TABLETS praises them. 30 Tablets 25 cts.; 75 Tablets 50 cts., postpaid.

A REMARKABLE OFFER
OF JOHNSON'S
RAINBOW GLADIOLUS MIXTURE



Plan now for a rainbow display of Gladiolus in this year's garden. These wonderful summer flowers, with their wide color range, will brighten your borders from July until frost. Easily grown and thrive in any garden soil. Johnson's famous Rainbow Gladiolus Mixture is especially prepared from largest-sized bulbs of ten distinct named varieties of ten distinct shades of color. This is far superior to ordinary commercial bulb mixtures of unknown color balance.

This is a most attractive offer. Each 60 bulbs consist of 6 bulbs of each of the 10 colors, assuring evenly distributed colors. Don't miss this. Send your order today.

SIXTY
BULBS

MIXED FROM
NAMED SORTS

\$2.00

POSTPAID

Johnson's Seeds that Produce

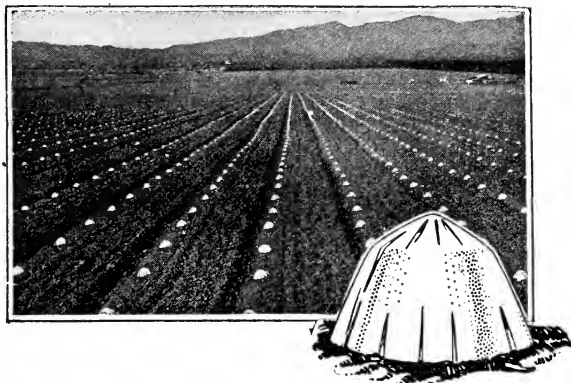


Germaco
Hotkaps
New Method of
Plant Protection

Germaco HOTKAPS—"individual hothouses for every plant"—are made of waxed paper in the form of a cone which completely covers the plants—the only way to **fully protect** them from frost. HOTKAPS also protect against rain, wind, ground-crusting and insects—your assurance of faster-growing, hardier plants, with larger yields.

Prices: 1,000 lots, \$11.50; 5,000 lots, \$11.00 per M; 10,000 lots, \$10.75 per M; 250 Trial Package, including Garden Setter with Tamper, \$4.00; 100 Home Package, including Garden Setter with Tamper, \$2.50; Germaco Hotkap Steel Setter with Tamper, \$2.50; postage extra.

Weights: 1,000 package HOTKAPS, 26 lbs.; 250 package, 9 lbs.; 100 package, 5 lbs.; Steel Hotkap Setter, 3 lbs.



A Few Letters Expressing Satisfaction After Planting Johnson's "Seeds That Produce." We Are Always Glad to Hear From Our Customers as to Their Success With Our Seeds

I am sending you my order. I was very much pleased with my last year seeds. The Bender Surprise Melons were the best Melons I had raised in years and I hope they will be this good this year. Phil. Pocket, Wayne County, Michigan.

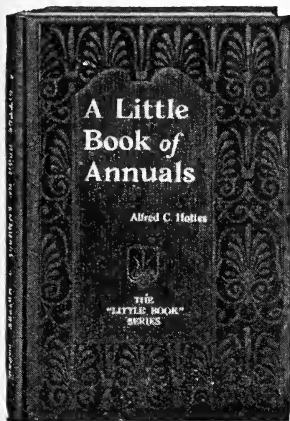
The seed from you for 1928 and 1929 were very satisfactory. Mr. F. M. Houseman, Shelby County, Ohio.

Please send this order at once. I have tried every company but have found your seeds the best. Paul Plutter, Macomb County, Michigan.

Your seeds were all satisfactory, the only difficulty I guess was the weather here but we had a good year. Received your catalogue O. K. M. M. Johnson, Macomb County, Michigan.

Books on Horticultural and Kindred Subjects

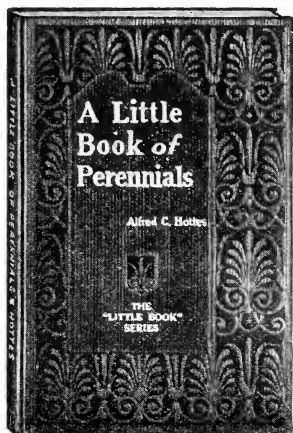
ALL BOOKS SENT POSTPAID AT PRICES GIVEN



Annuals, Little Book of (Hottes). A reliable guide to the culture of annual flowers, over 100 separate species are described with full directions for their culture and uses. . . . \$1.50

Garden Guide (Amateur Gardener's Handbook). Tells how to plan, plant and maintain the home grounds, how to grow vegetables, fruits, flowers, etc. . . . 1.00

Milady's House Plants (Palmer). Tells of the plants which any woman can successfully grow indoors; 100 instructive pictures. . . . 1.00



Mushroom Growing (Duggar). The latest work on this subject, reliable and up-to-date . . . \$2.00

One Thousand and One Garden Questions Answered (Prof. A. C. Hottes). A book of 320 pages, copiously illustrated, gives valuable information and a wealth of garden facts which hundreds of men have spent their lives in obtaining. . . . 2.00

Perennials, Little Book of (Hottes). Devoted to the general principles of growing, using and propagating old-fashioned, hardy perennial plants. . . . 1.50

Practical Landscape Gardening (Cridland). Of particular value to the owner of the moderate sized suburban home, nicely illustrated . . . 2.50

Rock Gardens (Rockwell). Tells just where and how to make a Rock Garden, what plants to use and where to put them, illustrated. . . 1.00

Roses and Their Culture (S. C. Hubbard). The object of this book is to present in clear and concise manner to the amateur in particular the simple requirements of this regal flower. . . 1.25

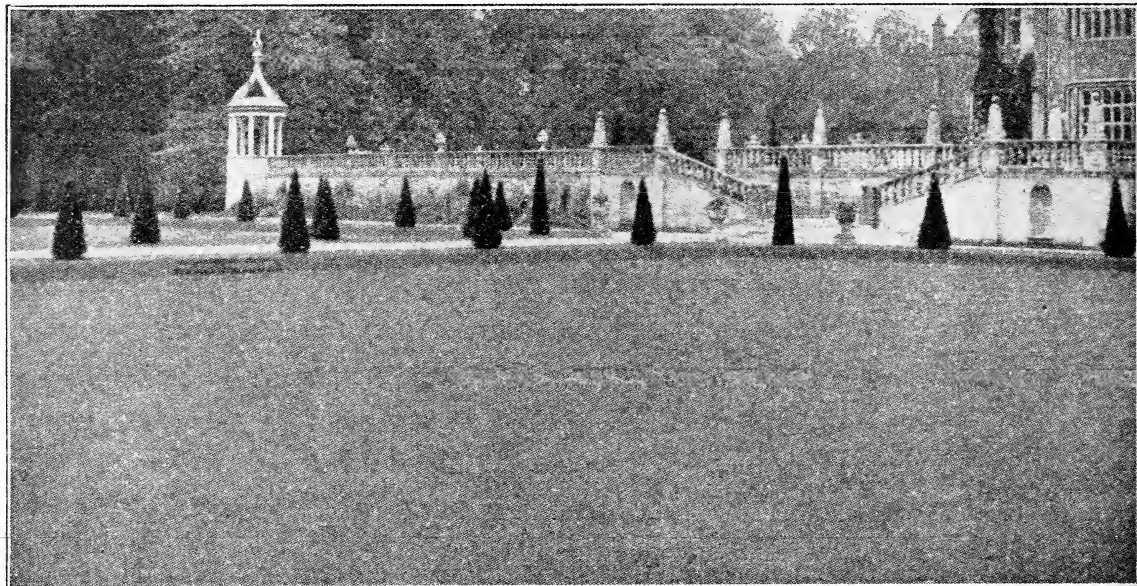
Vegetable Gardening (Kruhm). Written especially for the home garden, tells what and when to plant and how to care for them; freely illustrated . . . 2.00



Johnson's Seeds that Produce

Johnson's High Grade Lawn Seed

The Best Seed Makes the Best Lawn



Smooth, Firm, Evergreen Lawns From Johnson's Lawn Grass Mixtures

Your Lawn—Formation of Lawns from Seed

There is nothing more attractive than a well-kept lawn.

The ground should be thoroughly drained and well prepared. The soil ought not to be too rich, as a rapid growth is not wanted in the grasses of a lawn; but the surface should be as much alike in quality as possible and thoroughly pulverized. After sowing, the ground should be rolled if possible, in order to press the seed firmly into the soil, and ten days or so thereafter a light application of Johnson's Lawn Fertilizers will serve to stimulate the growth of the young grasses. The proper time to sow grass seed depends, of course, upon latitude. In the central and eastern states from March 15th to the middle of May is the best time; but in favorable seasons the sowing may be done up to July 1st. Seed may also be sown in the fall, from the latter part of August to the end of October or later, depending upon the weather. The sowing should be done when the ground is moist, or before an expected rain, and a subsequent rolling is always advisable. As to weeds in newly-made lawns, it may not be generally known that many weed seeds actually lie dormant in the ground for six or seven years and will germinate and make their appearance when the soil is turned up.

JOHNSON'S "RELIABLE" MIXTURE

An Ideal Lawn Seed Mixture—Cleanest, Best, Cheapest

THE BEST FOR GENERAL PURPOSES

Our "Reliable" Lawn Grass Seed is the cleanest, heaviest, cheapest and best, because it is made up of Extra Recleaned Seeds of the finest varieties of grasses, each of which has its season of beauty and the result is the production of a sod that is always evergreen and velvety. Many of the finest lawns of our city are seeded with Johnson's Reliable Lawn Grass, the preparation of which is a specialty with us. Less seed of Johnson's Reliable is required than of any other brand. Hence it is economical in the end. One pound will sow 400 square feet. Lb., 60 cts.; 5 lbs., \$2.75; 10 lbs., \$5.00; 20 lbs., (1 bu.), \$9.00.

JOHNSON'S "ECONOMY" LAWN SEED

A Good Clean Mixture for General Purposes

This special mixture produces beautiful and permanent lawns. It is made from our own formula, and composed of grasses which are adapted for the purpose of producing a lawn which retains its rich green color and velvety appearance throughout the summer and fall. It is well suited for various soil conditions, giving good results even in small city grass plots, where the soil is generally stiff and heavy. Lb., 50 cts.; 5 lbs., \$2.25; 10 lbs., \$4.00; 20 lbs. (1 bu.), \$7.00.

JOHNSON'S "SHADY SPOT"

This is a very high grade mixture of grasses which naturally grow in shady spots. Before sowing in such places, it is well to rake off the surface thoroughly and then apply air slaked lime at the rate of one bushel to every 1,000 square feet. Use one pound of seed for every 300 square feet. Lb., 65 cts.; 5 lbs., \$3.00; 10 lbs., \$5.50; 20 lbs. (1 bu.), \$10.00.



Johnson's Lawn Seed for Every Need

JOHNSON'S "QUICK GROWTH"

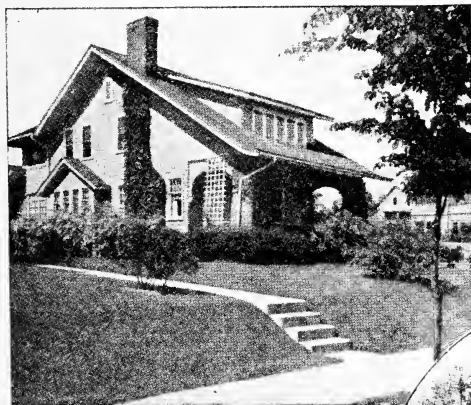
A special mixture of seeds which is especially useful where for some reason or other the seed cannot be sown in early spring. Our Quick Growth mixture will cover the ground like magic, but later on produce a permanent and beautiful sod. Lb., 50 cts.; 5 lbs., \$2.00; 10 lbs., \$3.50; 25 lbs., \$7.50, prepaid.

JOHNSON'S BENT GRASS MIXTURE

This mixture is blended with Bent and other hardy grasses and is especially well adapted to locations where hard usage prevails. Lb., 90 cts.; 3 lbs., \$2.50; 5 lbs., \$3.75; 10 lbs., \$6.50; 100 lbs., \$60.00.

CLOVER FOR LAWN

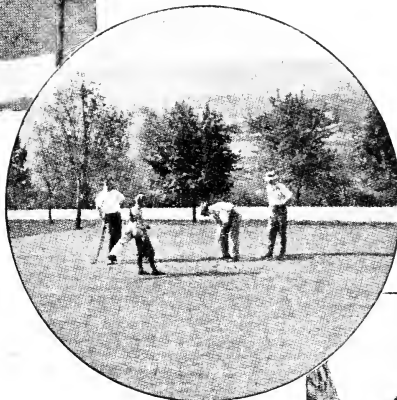
WHITE DUTCH OR LAWN CLOVER (*Trifolium repens*). This is valuable for pasture as well as for lawns; it succeeds where other clovers and grasses fail, and it seldom dies out. It can be sown at all seasons, although early spring is best; flowers greenish white. Sow 10 to 12 lbs. per acre if alone, or 5 lbs. if sown on old turf or with other crops. $\frac{1}{4}$ lb., 30 cts.; $\frac{1}{2}$ lb., 50 cts.; lb. 90 cts.; 5 lbs., \$4.25; 10 lbs., \$8.25, prepaid. Prices on White Clover subject to change.



Terrace Mixture

JOHNSON'S MIXTURE FOR TERRACES

A mixture of strong, deep-rooted grasses for banks or terraces. Although the grasses are strong and deep-rooted, they will produce a fine green velvety surface, and also prevent washing away during heavy rains. Lb., 90 cts.; 5 lbs., \$4.00; 10 lbs., \$7.50.



Golf Mixture

GOLF LINKS FAIR-GREEN MIXTURE

For the grounds in general. Made up from varieties of grasses perfectly adapted to rough usage. Will produce a beautiful, thick, tough lawn in a short time, and will maintain its appearance better than others, in spite of wear and dry weather. For golf links this mixture is equal if not superior to many golf link grasses now in use. Lb., 80 cts.; 5 lbs., \$3.50; 10 lbs., \$6.00; 20 lbs., \$10.00; 100 lbs., \$45.00, prepaid.

LAKESHORE MIXTURE

A mixture of fine-leaved and deep-rooting grasses, forming a strong and lasting turf that will stand hard usage. No better mixture can be procured for this purpose. 1 lb., 60 cts.; 5 lbs., \$2.75; 10 lbs., \$5.00; 25 lbs., \$11.00; 100 lbs., \$40.00, prepaid.

PUTTING-GREEN MIXTURE

Our own special formula. A mixture of highest grade grasses that will make a close, firm green and lasting turf which will improve with tramping. Lb., \$1.00; 5 lbs., \$4.00; 10 lbs., \$7.50; 25 lbs., \$18.00; 100 lbs., \$70.00, prepaid.

MISCELLANEOUS GRASSES

Special Prices on Application

All Prices Quoted for Miscellaneous Grass Seeds Are Subject to Change Without Notice

BLUE GRASS. Fancy Kentucky (*Poa pratensis*). Our stock of this is extra fine, thoroughly re-cleaned; sow 3 to 5 bushels per acre on lawns, $2\frac{1}{2}$ to 3 bushels on pasture fields (bushel 14 lbs.). Lb., 80 cts.; 5 lbs., \$3.25; 10 lbs., \$6.00; 25 lbs., \$12.50, prepaid.

BLUE GRASS. Canadian (*Poa compressa*). Makes an ideal pasture; excellent also for sowing on embankments; sow in same proportions as Kentucky Blue Grass Seed (bushel 14 lbs.). Lb., 65 cts.; 5 lbs., \$2.75; 10 lbs., \$5.00, prepaid.

CREeping BENT (*Agrostis stolonifera*). Succeeds well in moist situations. Lb., \$1.50, prepaid.

RED FESCUE. For meadows or pasture on dry, hard or sandy soil. It is very hardy, a true perennial, growing from 1 to $2\frac{1}{2}$ feet high. Lb., \$1.00, prepaid.

HARD FESCUE. (Bushel 14 lbs.). Emphatically a grass for dry lands, doing well on sandy and shallow siliceous soils. Exceedingly hardy and withstands extremes of heat, cold and drought. Lb., 60 cts.; 5 lbs., \$2.75, postpaid.

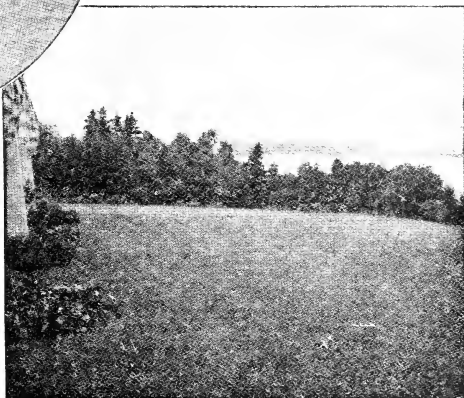
WOOD MEADOW GRASS (*Poa memorialis*). A very productive grass, adapted for lawns or pastures. Thrives well under trees. Very scarce. Lb., \$1.25, prepaid.

PERENNIAL RYE (*Lolium perenne*). Affords pasture very early in the spring. Sow early in the spring at the rate of 1 to $1\frac{1}{2}$ bushels to the acre. Lb., 50 cts.; 5 lbs., \$2.25, prepaid.

RHODE ISLAND BENT (*Agrostis canina*). A very fine variety for lawn and pasture. Ask for prices.

NEW ZEALAND CHEWING FESCUE.
New crop. Fancy seed. Lb., \$1.00;
5 lbs., \$4.50, prepaid.

CRESTED DOGTAIL (*Cynosurus cristatus*). An excellent grass for hard, dry soils. Lb., \$1.00; 5 lbs., \$4.50, prepaid.



Lakeshore Mixture



Johnson's Seeds that Produce

Novelties and Specialties in Flower Seeds

For General List of Flower Seeds, See Pages 10 to 31

New California Giant Branching Asters

A splendid mid-season to late flowering strain, the result of years of painstaking selection by one of California's leading hybridizers. The plants grow from 3 to 3½ feet high with long, strong stems 18 to 24 inches in length, bearing beautifully formed, curled and interlaced flowers 5 inches and over across.

We offer the following beautiful colors:

Lavender Blue	Pure White
Peach Blossom	Purple Violet
Rich Rose	

Price, any of the above, 20 cts. per pkt.;
¼ oz., 75 cts.

Collection containing a packet each of the above 5 colors, 80 cts.

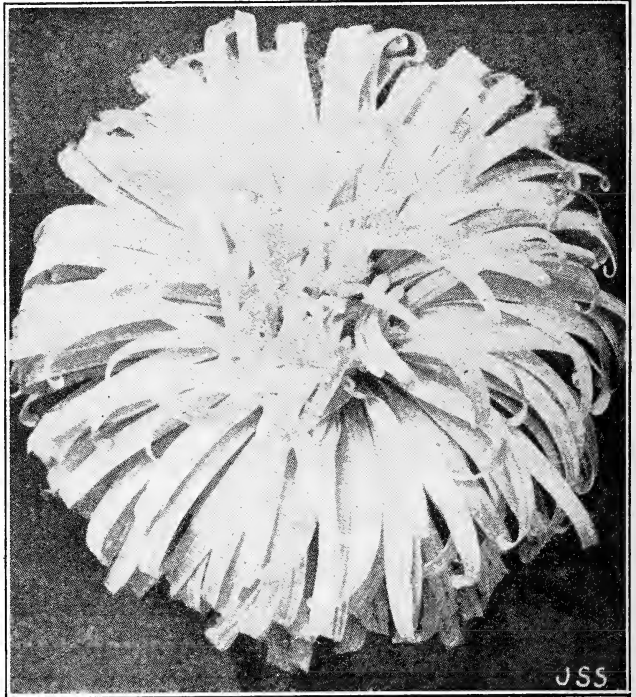
Finest Mixed. Containing all colors, 15 cts. per pkt.;
3 pkts. for 40 cts.

New Early Beauty Aster

This new strain of the popular Beauty Aster is as early as Crego, and thus has a distinct advantage over the original Beauty Aster, which was too late for many locations. The blooms are magnificent in size, and the long stems are very useful. It is a wonder for continuous blooming. We offer the following most effective colors:

	Pkt.		Pkt.
Carmine Rose.....	\$0.20	Rose	\$0.20
Lavender .....	.20	September Beauty..	.20
Purple .....	.20	Finest Mixed.....	.15

One packet each 5 colors for 80 cts.

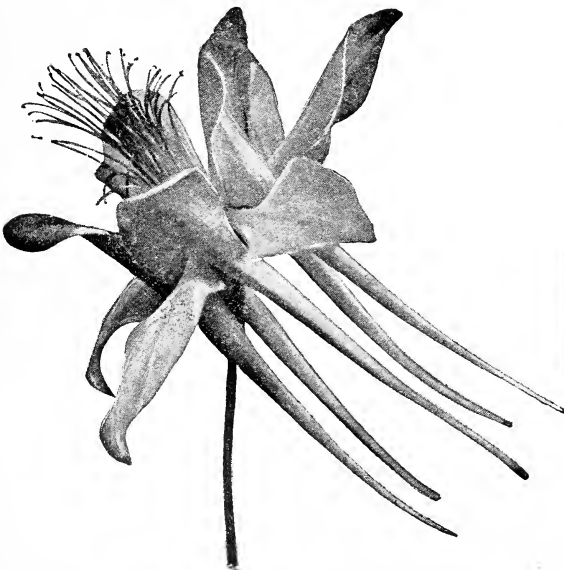


California Giant Aster

AQUILEGIA (New)

Johnson's Long Spurred Perfection Hybrids

A striking improvement on all other Long Spurred Hybrids and consisting of many beautiful shades. Pkt., 50 cts.; 2 Pkts., 85 cts.



Aquilegia, Johnson's Long Spurred

FOUR FINE ASTERS

HEART OF FRANCE. Heart of France opens red as a ruby, deepens with age and retains its remarkable beauty to the very end. Stems long and strong. Pkt., 25 cts.; ½ oz., 60 cts.; ¼ oz., \$1.00.

NEW WHITE PERFECTION. Flower of branching type, snow white, stems long, plant very robust. Pkt., 25 cts.; ½ oz., 50 cts.; ¼ oz., 80 cts.

VIOLET KING. In form the flower is entirely distinct from any other variety; petals somewhat resemble the quilled varieties, but are much larger and broader. Pkt., 25 cts.; ½ oz., 60 cts.; ¼ oz., \$1.00.

PINK ENCHANTRESS. Flowers soft delicate pink; always full double. Upright in habit; stems long, strong and graceful. Mid-season. Pkt., 25 cts.; ½ oz., 50 cts.; ¼ oz., 85 cts.

One packet each of above four Asters for only 85 cts.

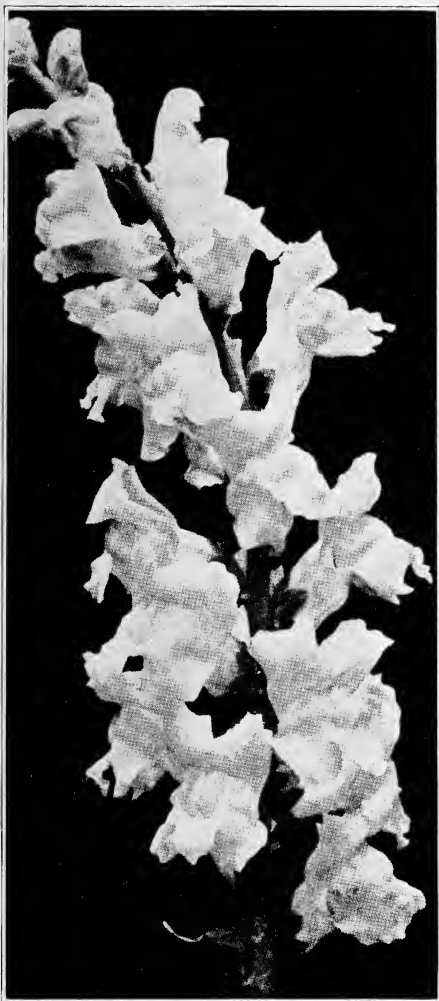
New Forcing

Calendula

Campfire (Sensation)

This striking novelty is the best forcing Calendula yet introduced. The flowers are extremely large and very dark orange with a scarlet sheen, making them most attractive. Pkt., 25 cts.; 2 Pkts., 40 cts.

All Flower Seeds Are Postpaid



Snapdragon-Snowflake

Johnson's Specialties in Flowers

Super-Giant Snapdragons

(Antirrhinum Majus Maximum)

This wonderful new group of Snapdragons far surpasses anything yet introduced. In habit they are slightly taller than the Majus group. The flowers are of magnificent size closely placed on the spike. The group as a whole is slightly variable in size and color.

APPLEBLOSSOM. Appleblossom pink.
BUNCH OF LILAC. Lilac purple.
CANARY BIRD. Canary yellow with deep yellow lip.
COPPER KING. Bronzy copper color.
DIAMOND. Golden yellow, lilac throat.

GOLDEN QUEEN. Deep yellow.
INDIAN SUMMER. Copper brown.
OLD GOLD. Rose on yellow ground.
PURPLE KING. Deep glowing purple.
SNOWFLAKE. Dazzling white.
THE ROSE. Rich rose pink.

Price, any of the above, 20 cts. per pkt.

Collection containing a packet each of the 11 sorts, \$1.80.

Super-Giant Mixed. All colors, 20 cts. per packet, 3 pkts. for 50 cts.

Three Beautiful Snapdragons

The sorts offered below belong to the Grandiflora Half Dwarf Section, and are unusually attractive in color.

GLORIA. Rich, glittering deep rose, most effective for bedding or cutting.

PRIMA DONNA. Splendid spikes, large flowers of charming color, being amber overlaid chamois effect apricot pink.

PEERLESS PINK. One of our own introduction. The flowers are of immense size, two inches and over across, and the color an even tone of soft shell-pink, the finest clear pink variety yet introduced.

Price, any of the above, 15 cts. per pkt.

Collection of a packet each of the three sorts for 35 cts.

Candytuft

GIANT HYACINTH FLOWERED WHITE, EXTRA SELECT. A very select strain worked up from a single plant selection made in 1916. This parent plant threw ten perfect spikes, but the average from the offspring is six and seven. Pkt., 10 cts.; ¼ oz., 25 cts.; oz., 75 cts.

New Cosmos Early Express Pink

An extra early Cosmos flowering in from 45 to 50 days from the time seed is planted. The plant grows about 2½ to 3 feet high and is covered with medium sized bright pink flowers. Pkt., 20 cts.; ⅓ oz., 75 cts.

Yellow Cosmos (Klondyke)

Golden yellow flowers borne on long stems, and measures from 2½ to 3½ inches across. To get this variety in bloom before frost in the states north of Virginia it should be grown in pots or boxes, so that the roots are confined, thus throwing it into flower. Pkt., 15 cts.; 2 pkts., 25 cts.

Double Crested Cosmos Anemone Flowered

The flowers vary considerably in their degree of doubleness, some being absolutely double, while others have a frill or collar surrounding the double disc, and while we think this is the most artistic, they are beautiful in either form, of high value for cutting and garden decoration. We offer both the early and late flowering strains.

Early-flowering Double Cosmos

CARNELIA. Rich rosy crimson.....	Pkt. \$0.25
PEACHBLOSSOM. Deep rose-pink.....	.25
WHIRLWIND. Pure white.....	.25
Collection of a packet each of the 3 early doubles, 60 cts.	
EARLY DOUBLE MIXED.....3 pkts., 50 cts.	.20

Late-flowering Double Cosmos

CRIMSON KING. Deep rose crimson.....	Pkt. \$0.20
PINK BEAUTY. Soft rose pink.....	.20
WHITE QUEEN. Pure white.....	.20
Collection of a packet each of the 3 late doubles for 50 cts.	
LATE DOUBLE MIXED. All colors....2 pkts., 25 cts.	.15

Chinese Woolflower

(Celosia Childsi)

This unique type of Celosia plumosa forms large globular heads like balls of wool or chenille, which looks as if made out of some silky material. The plants, 2 to 3 feet in height, branch freely, each branch terminating with a flowerhead. It continues to flower from early summer until frost, and is very effective for gardens, either massed or grown as individuals. Valuable for cutting as they retain their bright color for weeks. Crimson, pkt., 25 cts.; pink, pkt., 25 cts.; mixed, pkt., 15 cts.

Cheiranthus Linifolius

(Alpine Wallflower)

A very pretty biennial which can be treated as an annual, flowering freely throughout the summer from seed sown in spring. It forms compact plants about 9 inches high with numerous small spikes of bright mauve flowers, an unusual color and makes a very neat line and is particularly adapted for planting on a rockery. Pkt., 15 cts.; 2 pkts., 25 cts.

Cynoglossum Amabile Blue

(Chinese Forget-me-not)

An annual recently introduced from China; of the easiest cultivation, with strong plants about 18 inches high and producing through the summer months sprays of intense blue Forget-me-not-like flowers. Pkt., 25 cts.; ⅓ oz., 35 cts.



Johnson's Seeds that Produce

Johnson's Specialties in Flowers

Gaillardia Grandiflora "Dazzler"

Few flowers rival the Gaillardia for making a gorgeous display in the garden and this fine new variety is an advance on all others of its class. Originating from Lady Rolleston it produces larger flowers with wider florets, often attaining a diameter of 4 to 5 inches. The color is a bright golden yellow with rich maroon-red center, the two tints bearing a well-balanced and harmonious proportion to each other. The plant is vigorous, throwing up a profusion of long and erect flower stalks, which provide excellent material for cutting and are unsurpassable for table decoration. This novelty comes very nearly true from seed. Pkt., 25 cts.; 3 pkts., 65 cts.

Gaillardia Grandiflora Portola Hybrids

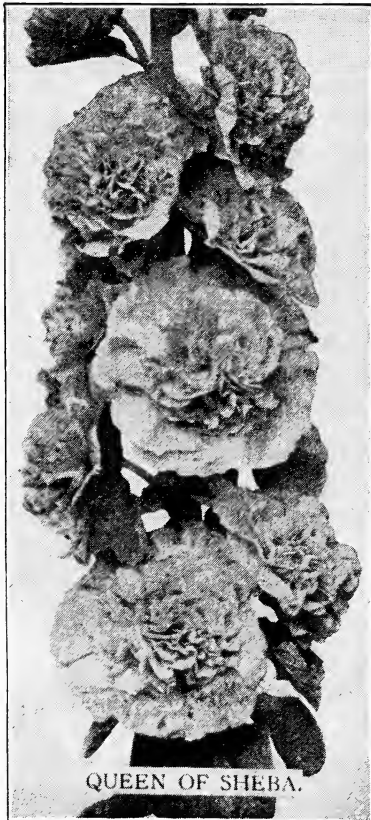
(NEW)

This superb new strain of Gaillardias bears flowers of very large size, the color ranging through shades of bronzy red with characteristic golden tipped petalage and robust vigor of the well known Portola variety. A splendid cut flower. Pkt., 25 cts.; ½ oz., \$1.00.

New Larkspurs

Larkspur Exquisite Pink Improved

A new strain true Exquisite Pink in color with a wonderful improved new form. An upright habit similar to our perennial Delphinium and, best of all, this new improved strain comes practically 100 per cent true. The color is a beautiful soft pink shaded salmon. Pkt., 25 cts.; ½ oz., 75 cts.



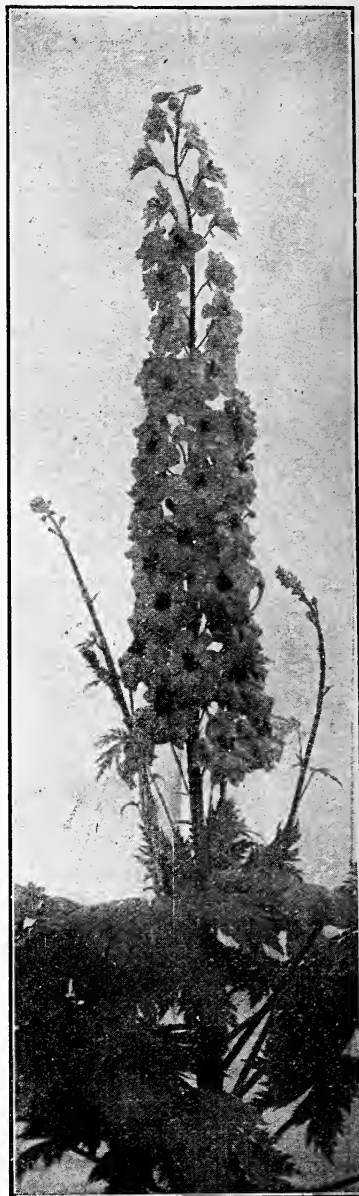
QUEEN OF SHEBA.

Larkspur Exquisite Rose

A beautiful shade of rose pink, several tones deeper than Exquisite Pink Improved but with the same new improved Delphinium form and coming quite true. Pkt., 25 cts.; ½ oz., 75 cts.

New Larkspur (La France)

La France is the most striking of all Larkspurs and is much more vigorous and tall growing than other light shades. The color is a pleasing salmon pink. Flowers are double and come on long stems. Pkt., 35 cts.; ½ oz., \$1.00.



DELPHINIUM

Blackmore & Langdon's Hybrids

DELPHINIUM

Blackmore & Langdon's Prize Strain

Messrs. Blackmore & Langdon's collection of Delphiniums is one of the finest in the world. The seed we offer is saved from their choicest varieties, and we import the seed direct from the originators. Pkt., 50 cts.

New Hollyhock "Queen of Sheba"

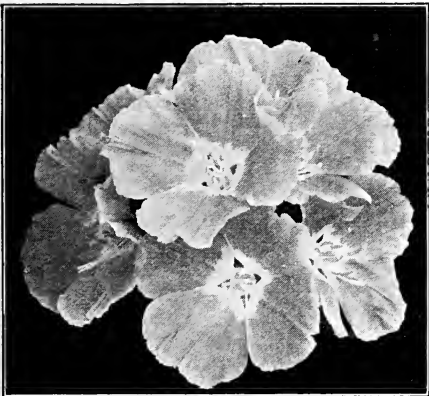
A unique color in the highly perfected class of Chater's Double Hollyhocks. The very double and finely formed flowers of this superb variety are of a beautiful primrose-buff hue with rosy reflections, a lovely and most effective coloring, and a great acquisition to the varied range already existing in this stately and highly decorative species. Pkt., 25 cts.; 2 pkts. for 40 cts.



Johnson's Specialties in Flowers

New Godetia "Charming"

"Charming" is truly an appropriate name for this lovely variety. The color is a deep satiny-pink. Godetia is a hardy annual, blooming profusely. They do best in a rather poor soil. Height, 1 foot. Pkt., 25 cts.; 1/16 oz., 75 cts.



Godetia-"Charming"

THE
WORLD'S
BEST IN
SEEDS
FOR
YOUR
GARDEN

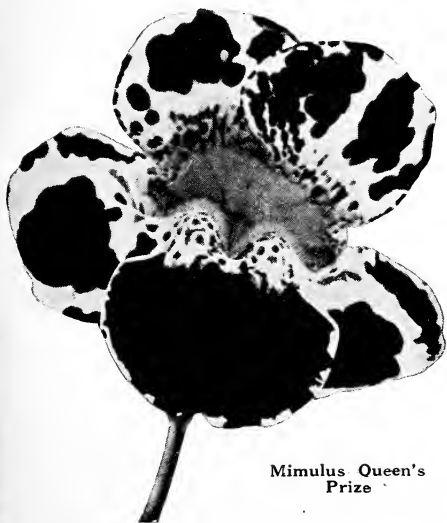
Meconopsis-Baileyi

This beautiful blue perennial Poppy, brought over from Tibet by Captain Kingdon Ward, throws up from its root-stock half a dozen leafy stems 2 to 3 feet high, well furnished with broad sea-green leaves and bearing freely at their heads large four-petalled blooms of a Glorious Sky-Blue Color, the effect of which is enhanced by a central zone of golden yellow anthers. This superb plant has been accorded by the Royal Horticultural Society a First Class Certificate and an Award of Merit. It is hardy, and should soon become one of the most popular plants in cultivation.

CULTURE. Sow in pans or boxes in a cold frame. Transfer to small pots when large enough, and when the plants are well established put into deep loam and leaf soil in a moist, well drained, half shady position. Pkt., 60 cts.

Mimulus Queen's Prize

Very large flowers with splendid markings, many colors, including deep and pale rose. Pkt., 50 cts.



Mimulus Queen's
Prize



Meconopsis Baileyi

Poppy Novelties

AMERICAN LEGION. This new single Shirley Poppy is a dazzling orange scarlet of enormous size, borne on long, stout stems. The plants are of very erect robust growth and the flowers are wonderful keepers when cut in bud. A bunch was a beautiful sight for several days when put in water after a four-day trip from California in an ordinary box without the benefit of refrigeration. Pkt., 10 cts.; 1/4 oz., 30 cts.

SUNBEAMS. This is the result of a cross between the Shirley and Nudicaule types. The flowers are charming shades of orange, salmon, maize and other tints. The blooms keep well in water which makes it a fine cut flower for baskets or vases. Pkt., 25 cts.

NUDICAULE NEW ART SHADES. A charming collection of colors in the Iceland Poppy family, including apricot, burnt orange and lovely pink shades. Pkt., 25 cts.; 2 pkts., 40 cts.

We wish you would write us frankly about the results you have with our seeds.



Johnson's Seeds that Produce

Johnson's Specialties in Flowers

New Petunias

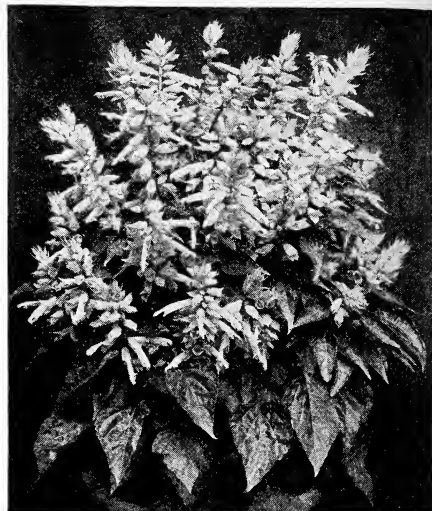
Large Flowering

DWARF CALIFORNIA GIANTS. The habit of the plant is very dwarf, flowers very large and of the finest substance, very fine range of color. Pkt., 30 cts.

COPPER ROSE. Enormous flowers of wonderful color with a deep white throat, deeply veined—a shade that attracts and holds your attention. The substance of the petals is firm with a velvety surface. Free flowering, but shy seeder. Pkt., 30 cts.

PINK GLORY. The color is pure flame rose pink without a trace of purple. The flowers measure 3 to 4 inches in diameter and are slightly ruffled. The plants grow compact to a height of 12 to 15 inches and are continually covered with flowers. Excellent for bedding. Pkt., 30 cts.

ROMANY LASS. One of the finest introductions of recent years. The flowers are of the large Fluffy Ruffle type. The color is a clear bright velvety blood red with purple throat, striped in black. Pkt., 30 cts.



Salvia Splendens "Harbinger"

New Scabiosas

PEACH BLOSSOM. Highly commended by the Royal Horticultural Society of Great Britain. A beautiful shade of peach blossom pink, large size and long stems. An excellent cut flower. Pkt., 15 cts.; 1/8 oz., 30 cts.

SHASTA. A pure white of enormous size, the flowers measuring 3 1/2 inches across the extremely long stems. Pkt., 15 cts.; 1/8 oz., 30 cts.

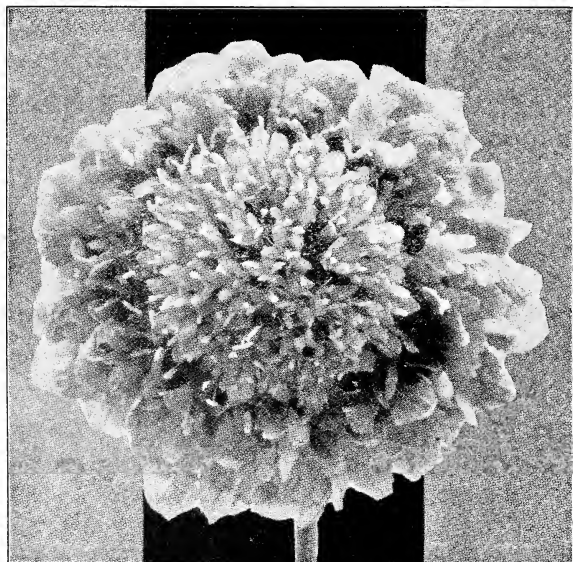
COLUMBARIA. A South African form of the European Scabiosa. It is a hardy, low-growing perennial with fine light green foliage. Flowers measure 2 to 2 1/2 inches across. Color pink. A fine cut flower. Pkt., 50 cts.; 1/8 oz., \$1.50.



Petunias

Salvia Splendens "Harbinger"

As the most brilliant of all bedding plants the Salvia well deserves its pride of place. Plants raised from seed sown at the end of February commence to produce in profusion their long spikes of dazzling bright scarlet flowers early in June, and maintain a blaze of color until frost. We consider this one of the finest novelties that we have offered. Pkt., 50 cts.



New Scabiosa—Peach Blossom

New Salvia—America or Globe of Fire

A new variety of this popular flower. The bushy plants of this New Salvia do not grow over 15 inches high, although, with the large spikes of brilliant scarlet flowers thrown well above the plant, it attains a total height of about 2 feet. If desired for borders or beds, this is indeed an acquisition on account of its uniformity of height. A continuous bloomer. Pkt., 25 cts.; 1/8 oz., \$1.00; 1/4 oz., \$1.75.

New Sweet Williams (Dianthus Barbatus)

JOHNSON'S GIANTS. The range of color includes shades which are not to be found in other strains, and the peculiar and delicate markings on the flowers are most attractive. Sweet Williams look well in solid beds or masses and require a good, rich, well manured soil to grow them to perfection; excellent border plants and fine for cut flowers. Plants grow 18 to 24 inches high. Pkt., 25 cts.; 2 pkts., 45 cts.

DENTOSUS HYBRIDS. An exceedingly effective strain of alpine pinks of hybrid origin, neat tufted habit, producing their gaudy flowers in the greatest profusion throughout the summer and autumn months. Flowers are large and exceedingly varied, from snow white to the deepest crimson, splashed, spotted and fringed in the most fantastic manner. Totally distinct from anything yet seen in this family. Pkt., 25 cts.



Johnson's Specialties in Flowers

ZINNIAS

Double Giant Dahlia-flowered

We are pleased to be able to offer this Zinnia in separate colors this year. The plants are of the same vigorous habit as our Giant Double-flowering varieties. They attain the height of 3 feet, producing mammoth flowers averaging 6 inches across by 3 to 4 inches in depth, similar in shape to the Decorative Dahlia. We consider them a fitting companion to our strain of Giant Double-flowering Zinnias.

We offer 11 of the most wanted colors, separately, as well as a splendid mixture of many colors, as below:

EXQUISITE. Truly Dahlia-flowered as regards form and size.

Color light rose with center a deep rose.

OLD ROSE. This is adequately described by its name, as it is of the real old rose shade.

ILLUMINATION. Similar to Exquisite, but a striking self color of deep rose.

GOLDEN STATE. A very rich orange yellow.

CRIMSON MONARCH. The largest and best of red shades.

SCARLET FLAME. A large, beautiful, bright scarlet, with a delightful blending of orange throughout the petal.

METEOR. A rich, glowing deep red and the darkest of all the red shades. Fine form, with good depth of petal.

ORIOLE. We consider this the most beautiful of its class. It is an immense orange and gold bicolor, changing slightly as it ages.

DREAM. A fine, deep lavender, turning to Mallow purple, a new desirable shade in Zinnias.

BUTTERCUP. An immense deep creamy yellow. A very desirable flower which should be included in every collection.

CANARY BIRD. A delicate shade of primrose—very large and holds its color well until out of bloom.

Any of above, per pkt., 20 cts.; $\frac{1}{8}$ oz., 65 cts.

JOHNSON'S SPECIAL MIXTURE. A well blended mixture containing the above novelties. Pkt., 15 cts.; $\frac{1}{4}$ oz., 60 cts.



Scabiosa Caucasica

SCABIOSA Caucasica

A very handsome hardy perennial with flowers of a delicate lavender-blue. Height 2 feet. Pkt., 25 cts.

"Royal Bouquet" Verbena

Wonderful as the Verbena is as a decorative plant for summer bedding, its usefulness has always been limited by its carpet-like spreading habit, and gardeners have long desired to have the plant in a compact and upright growing form. This new variety forms a plant 15 to 18 inches high and not more than 10 inches across, no lateral branches being thrown out, and what gives this novelty its special value is the fact that the flowers will compare in size and variety of color with those of the finest strains of Auricula-eyed Verbena. Suitable for growing in pots. Mixed Colors. In packets only, 25 cts.

Three Specially Fine Zinnias

GIANT DOUBLE QUILLED ACHIEVEMENT. The petals are partially tubular or quilled, giving the flower somewhat the appearance of a cactus dahlia and displaying a rich variety of colors, mostly of the warmer shades, such as salmon, old rose, deep rose, lilac, bronze and dark red tones. On the reverse side the petals are light or dark lilac, making a wonderful combination of colors. Pkt., 25 cts.; 2 pkts., 40 cts.

GIANT PICOTEE. A remarkable new and distinct class with beautiful double flowers in orange, flesh, lemon, pink and cerise, each petal being distinctly tipped with various shades of dark, resembling the Picotee Carnations. Pkt., 20 cts.; 2 pkts., 35 cts.

WATERMELON PINK, PUMILA DOUBLE ZINNIA. A very pleasing and charming shade. Extra double flowers, produced on regular dwarf plants. Only 18 inches tall. Include in your order a packet of Zinnia watermelon pink, if you want a pleasant surprise. It is a beautiful color. Pkt., 20 cts.; $\frac{1}{4}$ oz., 70 cts.



Giant Double Zinnia, Achievement



Johnson's Selected Flower Seeds

GENERAL LIST

In the following pages we offer a carefully selected list of Flower Seeds, in which no want of the flower garden has been overlooked, the numerous varieties insuring a wide range of color, form, height, habit and season, thus permitting selection for any and every ornamental purpose.

ALL FLOWER SEEDS ARE SENT POSTPAID AT PRICES GIVEN

The following abbreviations are used in our flower list:

A.—Annuals. H. H. A.—Half Hardy Annuals. H. A.—Hardy Annuals. B.—Biennials.
H. B.—Hardy Biennials. P.—Perennials. H. P.—Hardy Perennials. H. H. P.—Half Hardy Perennials.

Abutilon

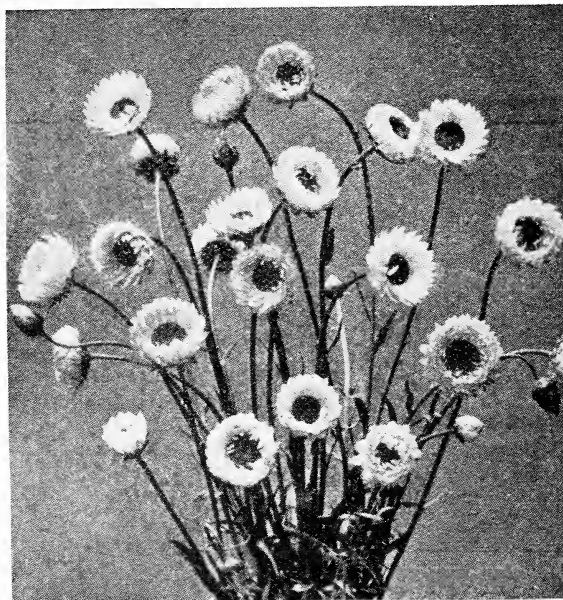
(Flowering Maple). Tender perennial shrub of easy culture.

FINEST MIXED COLORS. Excellent for flowering indoors. Pkt., 25 cts.

Achillea

(Sneezewort or Milfoil). H. P. Double. Daisy-like flowers; blooms from June till October.

THE PEARL. Pure white, 2½ ft. Pkt., 25 cts.; ¼ oz., \$1.50.



Acroclinium

Aconitum

(Monkshood). H. P. Long spikes of helmet-shaped flowers; excellent for shady locations.

NAPELLUS. Blue, 3 ft. Pkt., 15 cts.; ¼ oz., 75 cts.
WILSONI. Dark rich blue, 3 ft. Pkt., 25 cts.; ¼ oz., \$1.00.

Acroclinium

(Everlasting). H. A. Extensively used as a dried flower for house decoration. They should be gathered before fully open and tops hung downward to dry.

DOUBLE MIXED. 1 ft. Pkt., 10 cts.; ¼ oz., 30 cts.
SINGLE MIXED. 1 ft. Pkt., 10 cts.; ¼ oz., 25 cts.

Adonis

AESTIVALIS (Flos Adonis). H. A. Deep green foliage and scarlet flowers. Pkt., 10 cts.; ¼ oz., 25 cts.

AUTUMNALIS (Pheasant's Eye). H. A. Flowers crimson, dark center. 1 ft. Pkt., 10 cts.; ¼ oz., 25 cts.

VERNALIS. H. P. Finely cut foliage, bright yellow flowers, blooming early in May. Pkt., 10 cts.; ¼ oz., 65 cts.

Ageratum

H. H. A. Floss Flower. Flowers forming in heads and blooming continuously all summer. Valuable for borders and edgings.

MEXICANUM. Finest mixed, 18 in. Pkt., 10 cts.; oz., 75 cts.
BLUE PERFECTION. Dark blue, 18 in. Pkt., 10 cts.; ¼ oz., 40 cts.

DWARF IMPERIAL. White. Pkt., 10 cts.; ¼ oz., 30 cts.
DWARF IMPERIAL BLUE. Deep blue. Pkt., 10 cts.; ¼ oz., 30 cts.

LITTLE BLUE STAR. Fine for bedding, 9 in. Pkt., 25 cts.; ¼ oz., \$2.50.

LITTLE DORRIT. Azure blue. Pkt., 10 cts.; ¼ oz., 30 cts.

Agrostemma

(Rose of Heaven, Mullein Pink)

CORONARIA. An attractive free-flowering hardy perennial of easy culture, producing glowing crimson flowers like a single pink, and silvery-white foliage; blooms the first season; fine for cutting. 2 feet. Pkt., 10 cts.; ¼ oz., 25 cts.

ALBA. A pure white variety. Pkt., 10 cts.; ¼ oz., 25 cts.

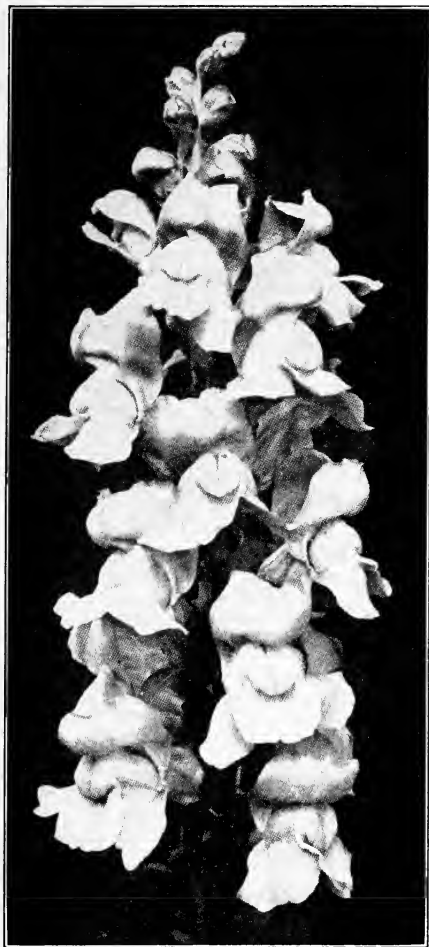
Sweet Alyssum

H. A. One of the best known annuals; used extensively for bordering and edging, also valuable for cutting. Flowers from early summer till late fall.

BENTHAM. Fragrant, 10 in. Pkt., 10 cts.; oz., 65 cts.; 4 ozs., \$2.00.

LITTLE GEM, SNOW-WHITE CARPET PLANT. The plants grow so dense and are covered with snow-white blossoms they create the impression of a snow-white carpet. Pkt., 10 cts.; ¼ oz., 25 cts.; ½ oz., 40 cts.; oz., 75 cts.; ¼ lb., \$2.60; lb., \$10.00.

LILAC QUEEN. Beautiful lavender lilac color. Pkt., 10 cts.; ¼ oz., 20 cts.



Antirrhinum Maximum (See page 12)

ANTIRRHINUM (Snapdragon)

We offer three distinct types: the large-flowering, tall-growing or giant, the equally large-flowered, half-dwarf variety, and the new maximum variety. In our trials the seeds sown out of doors the first week of May came into bloom early in July, remaining in full flower until November. For earlier flowering, they may be started indoors or in a frame in March, transplanting them to the open when the weather is suitable.

Large-flowering Half-dwarf Sorts

A splendid type, growing about 18 inches high, the best for bedding purposes.

	Pkt.
SILVER PINK. Soft pearly pink.....	\$0.10
EMPRESS. Rich velvety crimson.....	.10
GOLDEN QUEEN. Rich yellow.....	.10
GRENADIER. Fiery orange scarlet.....	.10
PURITY. Snowy white.....	.10
FAWN. Rose and gold.....	.10

Collection of a packet each of the above 6 sorts, 50 cts.

Choice Mixed. All colors. Pkt., 10 cts.; ¼ oz., 40 cts.

Large-flowering Giant Sorts

	Pkt.
CRIMSON KING. Rich garnet crimson.....	\$0.10
GOLDEN KING. Rich yellow.....	.10
FIRE KING. Brilliant orange scarlet.....	.10
HARMONY. Terra cotta shaded rose.....	.10
QUEEN VICTORIA. Purest white.....	.10
ROSE KING. Soft silvery rose.....	.10

Collection of a packet each of the above 6 sorts, 50 cts.

Finest Mixed. All colors. Pkt., 10 cts.; ¼ oz., 30 cts.

There is one book which should be in every gardener's and home owner's library. It is GARDEN GUIDE described on page 1 of this catalogue.



Antirrhinum—Large-flowering Giants

Hardy Alyssum

SAXATILE COMPACTUM (Gold Dust). H. P. Yellow, 9 in. Excellent for bordering perennial gardens. Pkt., 10 cts.; ¼ oz., 40 cts.

Amaranthus

CAUDATUS (Love Lies Bleeding). Crimson. Pkt., 10 cts.; ¼ oz., 25 cts.

CRUENTUS (Prince's Feather). Dark red. Pkt., 10 cts.; ¼ oz., 25 cts.

FINEST MIXED. Pkt., 10 cts.; ¼ oz., 20 cts.

Ammobium (Winged Everlasting)

ALATUM GRANDIFLORUM. A very attractive annual everlasting; flowers are silvery white with yellow disc; grows best in light soil. 2 ft. Pkt., 10 cts.; ¼ oz., 25 cts.

Ampelopsis

VEITCHI (Boston Ivy). A very elegant hardy vine, attaching itself to stone, brick or woodwork. Pkt., 10 cts.; ¼ oz., 20 cts.

Anchusa

DROPMORE VARIETY. H. P. One of the best blue perennials. The bright blue Forget-Me-Not-like flowers are borne on graceful stems during the entire season and very late into the fall. 4 to 5 ft. Pkt., 15 cts.; ¼ oz., 40 cts.

CAPENSIS (Summer Forget-Me-Not). H. A. A beautiful border plant with branched heads of azure blue with white eye. If sown in April will be in bloom in July. 2 ft. Pkt., 10 cts.; ¼ oz., 25 cts.

Anemone

H. P. One of the most beautiful perennials, having a great variety of color and flowering in May and June.

CORONARIA (Wind Flower). Mixed. 9 in. Pkt., 10 cts.; ¼ oz., 30 cts.

ST. BRIGID (Irish Anemone). Extra large, 9 in. Pkt., 15 cts.; ¼ oz., \$1.00.

SYLVESTRIS (Snowdrop Windflower). Large, nodding sweet-scented white flowers, tinged lavender. 1½ ft. April-May. Pkt., 15 cts.; ¼ oz., \$1.00.



Johnson's Seeds that Produce

ANTIRRHINUM—Continued

Maximum or Super-giant Sorts

A new strain of tall growth producing long spikes of gigantic flowers.

APPLEBLOSSOM. Soft appleblossom pink.....	Pkt. \$0.20
CANARY BIRD. Canary yellow with deeper yellow lip.....	.20
COPPER KING. Bronzy copper color.....	.20
OLD GOLD. Rose on yellow ground.....	.20
SNOWFLAKE. Dazzling white.....	.20
THE ROSE. Rich rose pink.....	.20
Collection containing a packet each of the 6 sorts, \$1.00.	
Super-giant Mixed. All colors. Pkt., 15 cts.; 3 pkts., 40 cts.	

Aquilegia

(Columbine)

JOHNSON'S LONG-SPURRED HYBRIDS. A beautiful strain, comprising shades and combinations of blue, white, yellow, orange, orange-scarlet and bright rose pink, in large flowers with long spurs. Pkt., 25 cts.; 2 pkts., 40 cts.

IMPROVED CAERULEA (Rocky Mountain Columbine). Flowers large, petals white, sepals deep blue, spurs very long; one of the most beautiful. Pkt., 20 cts.; ½ oz., 50 cts.

VULGARIS. The common European Columbine, flowers rich violet blue. A strong and easy grower. Pkt., 10 cts.; ¼ oz., 50 cts.

Arabis

(Rock Cross)

H. P. Alpine trailing plant. Flowers borne on erect spikes, pure white and blooming very early. Useful in sunny rockeries and well drained borders.

ALPINA. 9 in. Dwarf white. Pkt., 10 cts.; ¼ oz., 30 cts.

Arctotis (African Daisy)

H. A. Daisy-like flowers, pure white with light blue center, often 3 inches across.

GRANDIS. 2½ ft. Pkt., 10 cts.; ¼ oz., 30 cts.

Armeria

(Thrift Sea Pink)

Grand plants for crevices of wall and rocks, and also for growing in flower borders or as permanent edgings; excellent plants for the seacoast. June-July.

ALPINA. Purple flowers in July. Pkt., 10 cts.

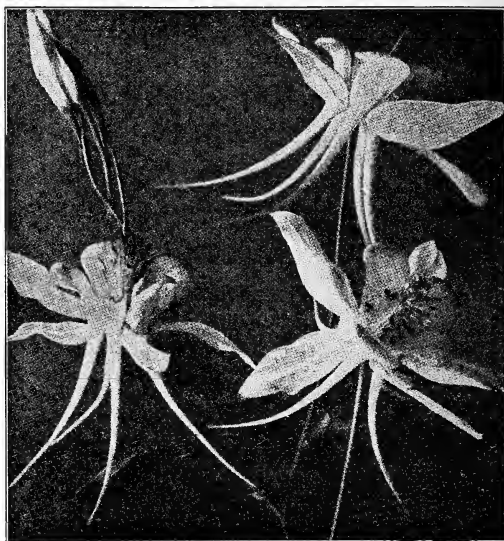
FORMOSA. 9 in. Pretty rose pink. Grand for borders. Pkt., 15 cts.

Asparagus

Very graceful plants extensively grown for cutting, the foliage being used in all designs, bouquets, etc.

PLUMOSUS NANUS. Pkt., 25 cts.; 50 seeds, 60 cts.; 100 seeds, \$1.00.

SPRENGERI. Pkt., 10 cts.; 50 seeds, 30 cts.; 100 seeds, 50 cts.



Aquilegia—Long-Spurred Hybrids

Argemone

GRANDIFLORA (The Prickly Poppy). 2 ft. Lovely plants with an ornamental foliage and large, handsome poppy-like flowers, snowy white, filled in the center with golden stamens, very beautiful. Pkt., 10 cts.; ¼ oz., 25 cts.

Artemisia

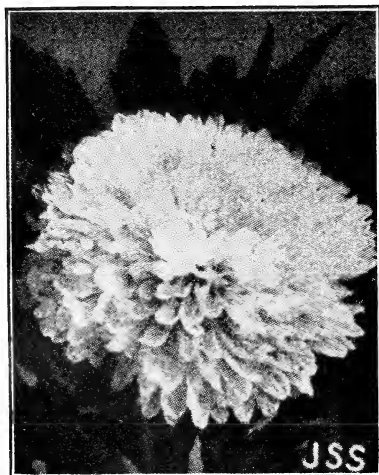
SACRORUM VIRIDIS (Summer Fir). Ornamental foliage plant. It forms pyramidal bushes 3 to 5 ft. high. The foliage is a rich, dark green color. Pkt., 15 cts.

Aubrietia

LARGE-FLOWERING HYBRIDS (Rainbow Rock Cross). A beautiful dwarf rock plant, covered with sheets of bright flowers in spring and early summer. Pkt., 15 cts.

Auricula

PRIMULA AURICULA A well-known favorite of great beauty; seed saved from splendid choice mixed varieties; half hardy perennial. 6 inches. Pkt., 25 cts.



Sample's Branching

Johnson's Selected Asters

Cultural Hints

For early flowering the seed should be started in the house, hot-bed or cold-frame in April, transferring them to their flowering quarters as soon as danger from frost is past. For August and later flowering it is just as well to sow them in the open in May, preferably in a prepared seed bed, transplanting them when two or three inches high to where they are to bloom although they may be sown where they are to flower with equally as good results.

We make a great specialty of this popular flower, securing our stocks from the most skillful growers only, and we confidently recommend them. Aster plants are ready in June.

Improved American Victoria Asters

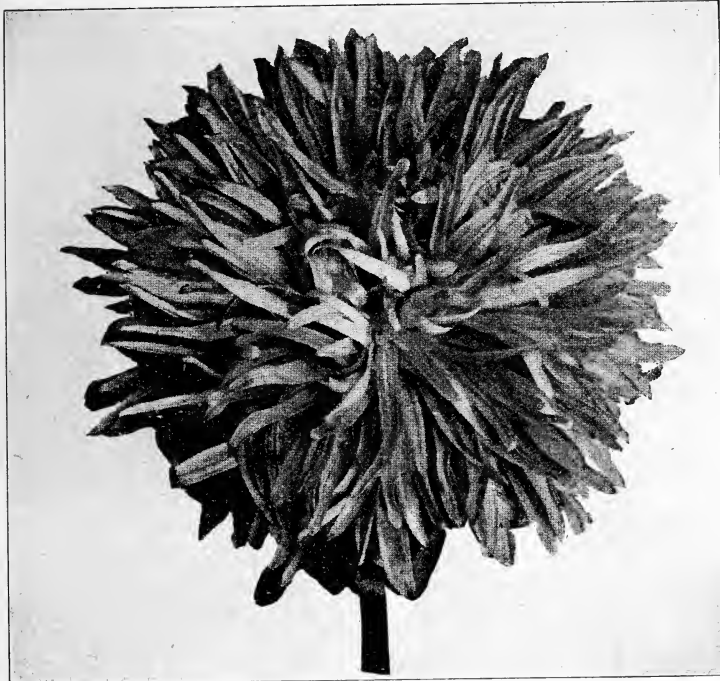
(Daybreak)

This is by far the finest of all Asters for beds or borders where an even growth and a mass of flowers are wanted for effect; the sturdy upright plants, 12 to 14 inches high, carry not less than 50 flowers each, producing a mass of color unequalled by any other; blooms from early August till late October.

DAYBREAK. Delicate La France pink.....	Pkt. \$0.15
PURITY. Purest white.....	.15
PALE LAVENDER. A delicate shade.....	.15
ROSE-PINK. Rose, shading to blush-pink.....	.15
SALMON-PINK. Rich salmon-pink, exquisite.....	.15
AZUREA. Rich, deep lavender-blue.....	.15
Collection of a packet each of the above 6 colors, 60 cts.	
Choicest Mixed. All colors. Pkt., 10 cts.; ¼ oz., 75 cts.	



California Giant Asters—See page 4



"King" Aster

Crego's Giant Comet Asters

We consider this the finest and largest of all Comet Asters, bearing immense fluffy flowers 5 inches and over in diameter, as fine as any Chrysanthemum, and when cut keep in good condition longer than any other of this type. We offer five colors:

WHITE. Pure white. Pkt., 10 cts.; ¼ oz., 55 cts.
PINK. Delicate shell pink. Pkt., 10 cts.; ¼ oz., 55 cts.
PURPLE. Bright purple. Pkt., 10 cts.; ¼ oz., 55 cts.
ROSE. Rich deep rose. Pkt., 10 cts.; ¼ oz., 55 cts.
LAVENDER. Deep lavender. Pkt., 10 cts.; ¼ oz., 55 cts.
 Collection of a packet each of the 5 colors, 40 cts.
Crego's Mixed. All colors. Pkt., 10 cts.; ¼ oz., 50 cts.

American Beauty Asters

A recently developed late-flowering strain coming into bloom in late September, and being at their best through October the plants grow nearly 3 feet high, and bear their very large, densely double flowers on long, strong stems. We offer four beautiful colors.

CARMINE ROSE. Bright cerise-rose. Pkt., 15 cts.
LAVENDER BEAUTY. Soft lavender. Pkt., 15 cts.
PURPLE BEAUTY. Rich, deep purple. Pkt., 15 cts.
SEPTEMBER BEAUTY. Delicate shell pink. Pkt., 15 cts.
 Collection of a packet each of the 4 colors, 50 cts.

Sample's Late Branching Asters

These are specially valuable for cut flowers, because of their handsome flowers and long stems. They bloom two to three weeks later than most sorts. We offer them in eight separate colors: Pure White, Crimson, Lavender, Peach Blossom, Shell Pink, Bright Pink, Rose, and Dark Purple.

Separate Colors. Pkt., 10 cts.; ⅓ oz., 35 cts.
Choicest Mixed. Pkt., 10 cts.; ⅓ oz., 30 cts.; ¼ oz., 50 cts.

China Asters

GENERAL MIXTURE. This mixture was saved from the many double flowering sorts grown the past season. Pkt., 10 cts.; ¼ oz., 25 cts.

Lovely King Asters

Of the late branching type. Bloom round, full and very large, and of a soft violet shade; stems long and stiff. August and September. 2 to 2½ feet.

Pkt.

LAVENDER KING. Soft lavender blue. \$0.10
PINK KING. An attractive delicate shell pink10
ROSE KING. A beautiful brilliant rose variety10
VIOLET KING. A pleasing soft shade of violet10
WHITE KING. Pure white.10
CRIMSON KING10
 One packet each of the above 6 colors, 50 cts.
Finest Mixed. Pkt., 10 cts.; ⅓ oz., 35 cts.

Johnson's "Peerless Pink" Aster

This is conceded to be the finest pink late-branching Aster ever offered. The plants are of robust, free-branching habit, and it is hard to find a flower under four inches across, and many measure five inches by two and a half in depth, forming an almost globular flower. Pkt., 15 cts.; 2 pkts., 25 cts.

Early Branching or Royal Asters

A new class of American Aster. Its habit of growth is entirely distinct, the stems growing directly from the ground and not on side-shoots from the main stem like other varieties. A medium early bloomer. We offer the following colors: White, Shell Pink, Rose Pink, Lavender, Purple. Separate Colors, pkt., 10 cts.; ⅓ oz., 55 cts.; ¼ oz., 95 cts. Finest Mixed, pkt., 10 cts.; ⅓ oz., 45 cts.; ¼ oz., 75 cts.

Ostrich Plume Asters

The finest type of the Giant Comet or Ostrich Feather type of Aster. Much larger than the Giant Comet, the petals longer, more twisted, and produced in greater abundance. Borne on long stems, they make cut flowers par excellence. We offer the following colors: White, Delicate Pink, Dark Blue, Light Blue, Crimson. Separate Colors, pkt., 10 cts.; ⅓ oz., 40 cts. Finest Mixed, pkt., 10 cts.; ⅓ oz., 35 cts.

Lavender Gem Aster

One of the most beautiful Asters. It is of true Comet type, with large, artistic, loosely-arranged flowers on long, wiry stems and of the most charming shade of lavender imaginable. Begins blooming in July, continuing through August; a lovely variety for cutting. Pkt., 15 cts.; 2 pkts., 25 cts.

Imperial or Mikado Asters

Similar to the Crego's Giant but dwarfier in growth, and comes into bloom fully two weeks earlier. Height about 18 inches, of branching habit, and the flowers, borne on long, strong stems, are of colossal size, 5 to 6 inches across being the rule. **MIKADO PINK or ROCHESTER.** Pkt., 10 cts. **MIKADO WHITE.** Of purest glistening white. Pkt., 10 cts. **MIKADO MIXED.** Pkt., 10 cts.

New Red Aster "Sensation"

This is the reddest of all Red Asters, the color being a rich garnet or ox-blood red, which glistens in the sunshine like a live coal. The plants are of free-branching habit, about 18 inches high; the very double flowers averaging 3½ inches across are borne freely on stems a foot long from early in August till the close of September. The intense color shows up well when cut, and makes a very brilliant bit of color in a bed or border. Pkt., 15 cts.; 2 pkts., 25 cts.



Johnson's Seeds that Produce

Balloon Vine (Love in a Puff)

H. H. A. Climber; rapid grower; flowers white; seed-pods shaped like miniature balloons. Seed should be sown in March and planted in the open, latter part of May or June in sunny location. 7 feet. Pkt., 10 cts.; oz., 25 cts.

BABY'S BREATH (See Gypsophila)

Balsam (Lady Slipper)

H. H. A. Plants of pyramidal growth bearing rose-like flowers which cover the whole plant; flowers profusely all summer. In soil well fertilized excellent results will be obtained. 2 feet.

DOUBLE PRIZE WINNER MIXTURE. Pkt., 10 cts.; ¼ oz., 40 cts.

DOUBLE CAMELLIA FLOWERED—Finest Mixed. Pkt., 10 cts.; ¼ oz., 25 cts.

DOUBLE ROSE-FLOWERED—Finest Mixed. Pkt., 10 cts.; ¼ oz., 25 cts.

Beans, Climbing or Running

H. A. Climber. Flowers from July to September. Very ornamental, thriving in any ordinary soil.

SCARLET RUNNER. 8 feet. Pkt., 10 cts.

WHITE RUNNER. 8 feet. Pkt., 10 cts.

BUTTERFLY RUNNER. Large pink and white blossoms. Pkt., 10 cts.

BEGONIA

Ever-blooming Bedding Varieties

They are of sturdy growth, growing about 1 foot high and forming dense bushes. As pot-plants for winter flowering they are superb. The seed being very fine, should be sown on top of box, pressed in soil, not covered.

GRACILLIS ROSEA. Bright rose color. Pkt., 25 cts.

PRIMA DONNA. Flowers of a light rose, shading deeper toward center. Pkt., 25 cts.

PINK BEAUTY. Delicate pink with dark foliage. Pkt., 25 cts.

LUMINOSA. Large, bright, deep scarlet flowers; satiny brownish red foliage. Pkt., 25 cts.

ALBA. Pure white. Pkt., 25 cts.

SEMPERFLORENS VERNON. Scarlet flowers. Pkt., 25 cts.

ERFORDII GRANDIFLORA SUPERBA. Plants compact and bushy, have glossy foliage and are literally covered with most delicate pink flowers. Pkt., 50 cts.

ERFORDII RUBRA. New. Deep red. Pkt., 25 cts.

Tuberous-rooted Begonias

SINGLE TUBEROUS-ROOTED MIXED. Saved from finest exhibition varieties, all having large, well-formed flowers of many brilliant shades of color. Pkt., 35 cts.

DOUBLE TUBEROUS-ROOTED MIXED. Produced on strong erect stems, an abundance of very brilliant double flowers, ranging from brilliant rose to carmine, often with white margin or mottling. Very striking. Pkt., 50 cts.

FRILLED TUBEROUS-ROOTED. Seed saved from selected, best frilled flowers. Pkt., 35 cts.



Brachycome—Swan River Daisy



Balsam (Lady Slipper)

Bellis Perennis

(Double English Daisy)

H. P. Are favorite perennials. Seed should be sown from June 1st until September, transplanted in the fall and protected during the winter, and they will flower the following spring. If sown in the spring they will flower in the autumn. 4 inches.

FINEST MIXED. Extra. 4 in. Pkt., 10 cts.; ¼ oz., \$1.25.

LONGFELLOW. Bright rose. 4 in. Pkt., 10 cts.; ¼ oz., \$1.00.

SNOWBALL. Pure white. 4 in. Pkt., 15 cts.; ¼ oz., \$1.50.

GIANT RED, MAXIMA FL. PL. Extra fine. 4 in. Pkt., 15 cts.

MONSTROSA ALBA. Giant pure white. Pkt., 15 cts.

MONSTROSA ROSEA. Giant rose. Pkt., 15 cts.

MONSTROSA. Finest mixed. Pkt., 15 cts.

Bocconia

CORDATA (Plume Poppy). 5 ft. A handsome border plant, having large lobed heart-shaped leaves with silvery under surface and flower plumes of a pretty cream color. Pkt., 10 cts.; ¼ oz., 30 cts.

Boltonia

(False Chamomile)

H. P. This aster-like hardy plant is useful for cutting, remaining in bloom a long time.

LATISQUAMA. Delicate pink. Pkt., 15 cts.; ⅛ oz., 75 cts.

Brachycome

(Swan River Daisy)

A. Free-flowering, dwarf-growing annual with pretty blue or white flowers. Pkt., 10 cts.; ¼ oz., 40 cts.

Browallia

H. A. Excellent free-flowering, verbena-like flowers. Flowering all summer in the open, also excellent house plants for winter use. 18 inches.

ELATA FINEST MIXED. Pkt., 10 cts.; ¼ oz., 30 cts.

SPECIOSA MAJOR. Extra large; deep blue. Pkt., 25 cts.

Calceolaria

Flowers borne in clusters of pocket-like lobes of various self colors and handsome spotted varieties. Especially adapted for house and greenhouse culture, making excellent exhibition plants.

JOHNSON'S PRIZE MIXED. 1½ ft. The gorgeous beauty of these flowers renders them indispensable for greenhouse decoration. Is a very desirable flower. Bears a large profusion of small, pocket-shaped flowers, which are beautifully tigered or spotted. Pkt., 50 cts.

RUGOSA AUREA (Rain of Gold). Golden shades for bedding. Pkt., 25 cts.

RUGOSA MIXED. Includes nearly all the beautiful shades for bedding. Pkt., 25 cts.



Calendula— Campfire

CAMPANULA or BLUEBELLS

Perennial Varieties

These are among our best-known hardy perennials. The tall varieties are fine for cutting, while the dwarf sorts make excellent border plants. All have dainty bell-shaped flowers. Some of the varieties offered will flower the first season from seed if sown early.

CARPATICA, BLUE. This variety is largely used for edging. Flowers of deep blue all summer. Height about 6 inches. Pkt., 15 cts.; ¼ oz., \$1.00.

CARPATICA ALBA. The white-flowered form of the above. Pkt., 15 cts.; ¼ oz., 50 cts.

MACRANTHA. Blue. Pkt., 10 cts.; ¼ oz., \$2.50.

PERSICIFOLIA GRANDIFLORA, BLUE (Peach Bells). One of the finest of the hardy bellflowers; grows 2 to 3 feet high, with large blue flowers. Pkt., 15 cts.; ¼ oz., \$2.50.

PERSICIFOLIA GRANDIFLORA ALBA. The white-flowered form of the above. Pkt., 15 cts.; ¼ oz., \$3.00.

PYRAMIDALIS (Chimney Bellflower). Spikes 3 to 4 feet tall; erect, pyramidal flowers, large and of beautiful blue. Pkt., 10 cts.; ¼ oz., 50 cts.

PYRAMIDALIS, WHITE. Pkt., 10 cts.; ¼ oz., 50 cts.

Campanula Medium (Canterbury Bells)

These are strictly biennials, and require to be sown from June 1 to September 1; when strong enough, transplant to a distance of 6 inches apart, after frost has set in protect with leaves and straw. They flower the following June, after which they die.

	Pkt.	¼ Oz.
SINGLE WHITE	\$0.10	\$0.50
SINGLE ROSE	.10	.50
SINGLE BLUE	.10	.50
SINGLE STRIPED	.10	.50
SINGLE MIXED	.10	.50
DOUBLE MIXED	.15	1.00

Campanula Calycanthema (Cup-and-Saucer)

These produce beautiful, large, single flowers resembling a cup and saucer; they require the same treatment as Campanula Medium.

	Pkt.	¼ Oz.
DARK BLUE	\$0.15	\$1.00
WHITE	.15	1.00
ROSE	.15	1.00
STRIPED	.15	1.00
MIXED	.10	.75

New Forcing Calendula CAMPFIRE (Sensation)

This striking novelty is the best forcing Calendula yet introduced. The flowers are extremely large and very dark orange with a scarlet sheen, making them most attractive. Pkt., 35c; 3 pkts., \$1.00.

Calendula

(Pot Marigold)

H. A. Large double flowers, blooming all summer, closing somewhat at night and opening slightly on cloudy days; flowers borne on long, stiff stems. 2 ft.

RADIO. The latest introduction in Calendulas entirely distinct with beautifully quilled petals forming a perfectly double flower; color rich golden yellow. Pkt., 15 cts.

METEOR. Large double yellow, each petal striped with orange. Pkt., 5 cts.; oz., 40 cts.

PRINCE OF ORANGE. Like Meteor, but darker. Pkt., 10 cts.; oz., 45 cts.

ORANGE KING. Very large, double, dark orange. Pkt., 10 cts.; oz., 40 cts.

DOUBLE SULPHUR. Very large and extremely double flowers of a pleasing sulphur yellow color. Pkt., 10 cts.; oz., 45 cts.

BALL'S FORCING. This new orange Calendula represents a very great improvement in size, length of stem and fullness of flowers. It has exhibited these superior characteristics uniformly for the past four years. Pkt., 25 cts.; ½ oz., 85 cts.

FINEST MIXED. Pkt., 10 cts.; oz., 25 cts.

Calliopsis

One of the most effective of our hardy annuals; very showy in open garden and excellent for cutting; flowers borne on individual stems 18 inches in length. 2 ft.

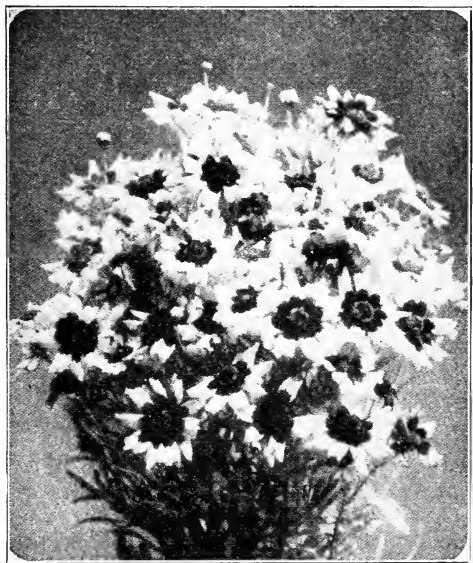
GOLDEN WAVE (Drummond). Rich golden yellow with small chestnut brown center; very free; 12 inches. Pkt., 10 cts.; ¼ oz., 25 cts.

CRIMSON KING. A fine dwarf sort, 9 inches high, color rich velvety crimson-garnet. Pkt., 10 cts.; ¼ oz., 25 cts.

TIGER STAR. Plants not over 9 inches high, flowers of rich reddish-brown, tigered with golden yellow; not unlike some of the orchids. Pkt., 10 cts.; ¼ oz., 40 cts.

CHOICEST MIXED. Pkt., 10 cts.; ¼ oz., 35 cts.

CALIFORNIA POPPY. See Eschscholtzia—Page 20.



Calliopsis Golden Wave



Johnson's Seeds that Produce

CANDYTUFT

Annual Varieties

H. A. Admirably adapted for borders. They come into flower early and bloom profusely for a long period. Very popular also for cutting. Our strains of Candytuft are the best obtainable.

GIANT HYACINTH-FLOWERED WHITE. 1 ft. A grand border plant, bearing very large, bold spikes of snowy white flowers, habit sturdy and compact. This is an especially select stock. Pkt., 10 cts.; ¼ oz., 30 cts.; oz., 75 cts.

EMPRESS. Pure white, splendid cut flowers. Pkt., 10 cts., ¼ oz., 25 cts.

CRIMSON. Rich deep shade. Pkt., 10 cts.; ¼ oz., 30 cts.

PURPLE. 1 ft. Pkt., 10 cts.; ½ oz., 30 cts.

CARMINEA. Carmine, 1 ft. Pkt., 10 cts.; ¼ oz., 20 cts.

CARNEA. Flesh colored, 1 ft. Pkt., 10 cts., ½ oz., 40 cts.

MIXED COLORS. A splendid mixture. Pkt., 10 cts.; ½ oz., 25 cts.

Perennial Varieties

H. P. Plants very compact, blooming early in the spring; excellent for bordering perennial gardens.

SEMPERVIRENS. A beautiful perennial of trailing habit, covered with white flowers in spring. Pkt., 10 cts.; ¼ oz., 65 cts.

GIBALTARICA HYBRIDS. A dwarf, compact form, with purple and white flowers. 1 ft. Pkt., 10 cts.; ½ oz., 40 cts.

Canna

DWARF FRENCH MIXED. Dark leaved sorts. Pkt., 10 cts., oz., 30 cts.

Carnations

These are general favorites for their richness of color and delightful fragrance; they are desirable for greenhouse culture in winter as well as for the garden in summer.

CHABAUD'S EVERBLOOMING, MIXED. Blooms in five months after being sown, and continues to flower in the greatest profusion indefinitely. Pkt., 25 cts.; ¼ oz., 80 cts.

CHOICE MIXED. Double border varieties. Pkt., 15 cts.; ½ oz., 60 cts.

Marguerite Carnations

These are the most satisfactory of the annual pinks, and will bloom in four months after sowing the seed. The flowers are large, fragrant and are produced continuously. If slightly protected they will survive an ordinary winter and bloom the following spring.

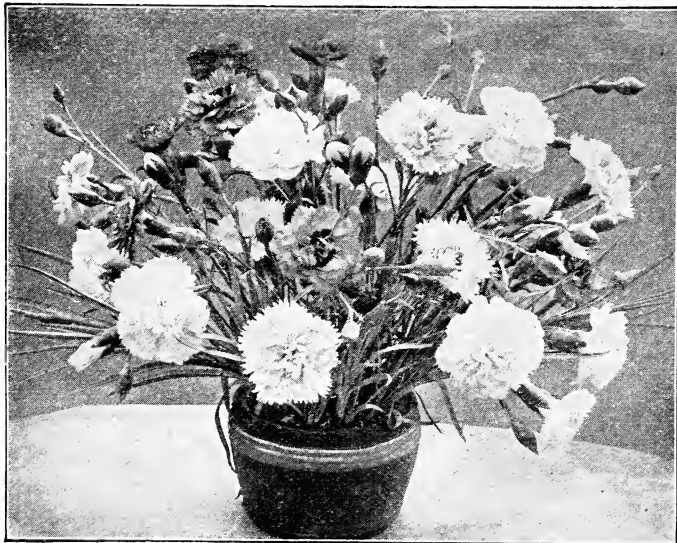
WHITE Pkt., 10 cts.; ½ oz., 40 cts.

YELLOW Pkt., 10 cts.; ½ oz., 40 cts.

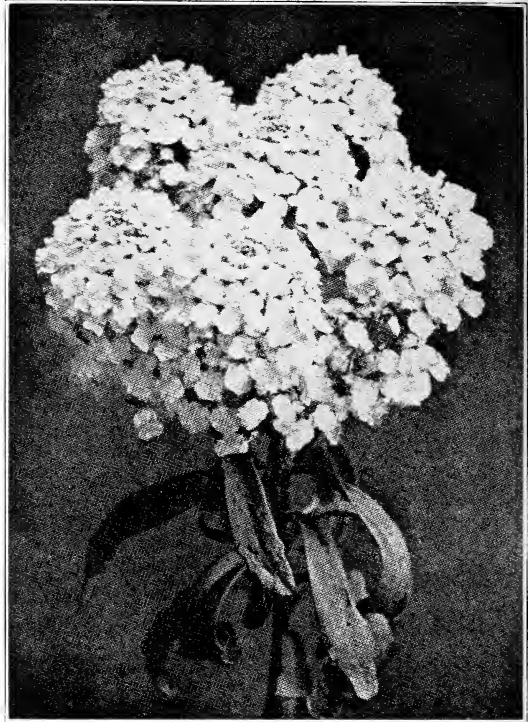
PINK Pkt., 10 cts.; ½ oz., 40 cts.

SCARLET Pkt., 10 cts.; ½ oz., 40 cts.

CHOICE MIXED Pkt., 10 cts.; ½ oz., 25 cts.; oz., \$1.50



Carnations



Candytuft, Giant Hyacinth-Flowered

Celosia Plumosa

(Feathered Cockscomb)

Make fine plants for large beds or groups, and the plumes or flowers can be cut and dried for winter bouquets. Should be treated exactly the same as Cockscombs.

THOMPSON'S SUPERB (Triomphe de l'Exposition). Of pyramidal growth, attaining a height of 3 feet, and producing graceful, feathery plumes of the most brilliant crimson. Pkt., 10 cts.; ¼ oz., 30 cts.

CHILDSI (Woolflower). Bloom starts early with a center head, round and globular, which at times reaches the immense size of 2 feet in circumference. When in full bloom looks like an immense bouquet. Deep crimson scarlet or pink. Plant 2 to 3 feet high. Pkt., 15 cts.; 2 pkts., 25 cts.

THOMPSON'S MAGNIFICA. Similar to the preceding, but ranging in color from the clearest yellow to the darkest blood red. Pkt., 15 cts.; ¼ oz., 50 cts.

GOLDEN PLUME. Bright golden yellow plumes. Pkt., 10 cts.; ¼ oz., 30 cts.

PLUMOSA, MIXED. Feathered varieties in all colors. Pkt., 10 cts.; ¼ oz., 25 cts.

Celosia Cristata

(Cockscomb)

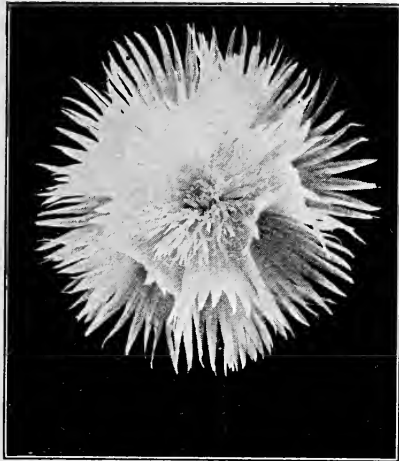
Free-flowering annuals, growing best in rather light soil, not too rich; make grand border plants and are attractive for pots. Seed can be sown under cover in early spring and planted out in May, or sown out of doors in May.

EMPRESS. Rich crimson; combs of colossal proportions. Pkt., 10 cts.

GLASGOW PRIZE. Immense, showy dark crimson combs. Pkt., 10 cts.

QUEEN OF THE DWARFS. This we consider the finest of dwarf-growing Cockscombs. The plants grow only 8 inches high; beautiful dark rose combs. Pkt., 10 cts.

DWARF, MIXED. Fine dwarf varieties. Pkt., 10 cts.; ¼ oz., 50 cts.



Centaurea—Imperialis

CENTAUREAS

Double Cornflowers (Centaurea Cyanus)

These are also known as Blue Bottle, Bachelor's Buttons, Ragged Sailor, Bluet and sometimes referred to as Ragged Robin. As Ragged Robin is also a name given to Lychnis, we suggest patrons ordering by botanical name to avoid confusion. The seed may be sown outdoors in April, and several sowings will give a succession of bloom. For best results, thin out plants to stand 8 inches apart.

Double Blue	Double Mauve
Double Maroon	Double White
Double Rose Pink	Double Rosy Red

Any of the above colors, pkt., 10 cts.; $\frac{1}{4}$ oz., 30 cts.; oz., 75 cts.
 Collection: One packet each of above 6 colors, 50 cts.
DOUBLE MIXED. A mixture of all the above colors. Pkt., 10 cts.; $\frac{1}{4}$ oz., 25 cts.
SINGLE MIXED. A mixture of single-flowering Cornflowers, all colors. Pkt., 10 cts.; $\frac{1}{4}$ oz., 25 cts.

Giant Sweet Sultans (Centaurea imperialis)

This beautiful class is undoubtedly the finest of all the Sweet Sultans for cutting purposes. Beautiful, deliciously sweet-scented flowers are borne on long, strong stems and are particularly striking, lasting several days after cutting. We recommend sowing in succession every two weeks from May until July, thereby giving a continuous bloom from summer to fall.

IMPERIALIS, WHITE. Large and exquisitely sweet-scented.
IMPERIALIS, PINK. Pink, with tinge in center.
IMPERIALIS, PURPLE. Brilliant rosy purple.
IMPERIALIS, LILAC. Beautiful lilac.
IMPERIALIS, RED. New! Deep amaranth red.
IMPERIALIS, YELLOW (Suaveolens). Bright yellow.
IMPERIALIS, MIXED. A select mixture of above colors.
 Any of the above colors, or mixed, pkt., 10 cts.; $\frac{1}{4}$ oz., 35 cts.
 Collection: One packet each of above 6 colors, 45 cts.

White-leaved Centaureas (Dusty Millers)

Extensively used for edging of beds or borders of the flower garden.
CANDIDISSIMA. This hardy, rapid-growing annual is only grown for its foliage, which is very lanced and silver coated. An excellent edging plant. Pkt., 10 cts.; $\frac{1}{4}$ oz., 75 cts.
GYMNOCARPA (Dusty Miller). Leaves fern-like; a trifle taller than Candidissima. Pkt., 10 cts.; $\frac{1}{4}$ oz., 50 cts.

Coreopsis

LANCEOLATA GRANDIFLORA. This is one of the finest of hardy plants, with large, showy bright yellow flowers, produced in the greatest abundance from June till frost. Unsurpassed for cutting. Pkt., 10 cts.; $\frac{1}{4}$ oz., 25 cts.

CENTAUREAS OF SPECIAL MERIT

AMERICANA. The stems, foliage and flowers of this Cornflower are gigantic in size compared with the regular sorts. The flowers, which appear thistle-like, attain the size of 4 inches when fully expanded and are of a splendid deep lavender color, making an excellent subject for garden decoration or cuttings. Like the Cyanus, it is easily flowered from seed sown outdoors; plants should be placed at least 1 foot apart. Height 3 feet. Pkt., 10 cts.; $\frac{1}{4}$ oz., 25 cts.

MACROCEPHALA. This is a hardy perennial variety with large, thistle-like, golden yellow flowers, useful for cutting and fine for the hardy border. Blooms during July and August. $3\frac{1}{2}$ ft. Pkt., 10 cts.; $\frac{1}{4}$ oz., 50 cts.

MONTANA (Perennial Cornflower). Grows 2 feet high, bearing large, violet-blue flowers from July to September. Pkt., 10 cts.; $\frac{1}{4}$ oz., 40 cts.

MONTANA ALBA. Large white form of the above. Pkt., 15 cts.; $\frac{1}{4}$ oz., 65 cts.

Cerastium

(Snow-in-Summer)

TOMENTOSUM. H. P. A very pretty dwarf, white-leaved edging plant, bearing small white flowers; hardy perennial. Pkt., 15 cts.

Cheiranthus

ALLIONII (Siberian Wallflower). A very pretty biennial growing about 12 inches high with heads of brilliant orange flowers from May to midsummer. Very effective in the rockery. Usually blooms the first year from seed. Pkt., 15 cts.

Chrysanthemum

SINGLE MIXED. Annual. Large range of colors. Pkt., 10 cts.; $\frac{1}{4}$ oz., 20 cts.; oz., 50 cts.

DOUBLE MIXED CORONARIUM. Annual. Pkt., 10 cts.; $\frac{1}{4}$ oz., 20 cts.; oz., 50 cts.

HARDY POMPOM. A fine strain of the old-fashioned hardy fall-flowering sorts, with double button-like blossoms. Mixed colors. Pkt., 25 cts.

Cineraria Hybrida

H. A. Among the most useful and ornamental of plants that can be grown for hothouse or conservatory decoration. Sow seed from July to September. Young plants require cool location and abundance of water, especially when in bloom.

KELWAY'S MODEL. Large-flowering prize strain. Unsurpassed for color and form. $1\frac{1}{2}$ ft. Pkt., 75 cts.

HYBRIDA GRANDIFLORA. Seed saved only from the choicest specimens. Pkt., 30 cts.

HALF DWARF PRIZE MIXED. Dwarf foliage; large flowers. Pkt., 50 cts.

STELLATA MIXED (Star Cineraria). A charming sort for house decoration. Pkt., 25 cts.

WHITE LEAVED CINERARIA (Dusty Miller).

MARITIMA CANDIDISSIMA. Pkt., 10 cts.; $\frac{1}{4}$ oz., 30 cts.



Coreopsis—Lanceolata Grandiflora



Johnson's Seeds that Produce

Clarkia

H. A. Flowers are borne along the woody stem. Plants attain a height of 15 inches; of branching habit and easy of cultivation.
ELEGANS. Double. Finest Mixed. Pkt., 10 cts.; $\frac{1}{4}$ oz., 35 cts.
ALBA. Pure white. Pkt., 10 cts.
BRILLIANT. Carmine. Pkt., 10 cts.
SALMON QUEEN. Salmon pink. Pkt., 10 cts.
SCARLET. Orange scarlet. Pkt., 10 cts.

Cleome

(Spider Plant)

Biennial used as an annual, flowering the first season. Flowers are a delicate rose color. Seed should be sown in March outdoors.
GIGANTEA HYBRIDA. Giant Hybrids in an assortment of colors, often 4 to 5 ft. in height. Pkt., 10 cts.; $\frac{1}{4}$ oz., 25 cts.
CLOVE PINKS. See Dianthus.

Cobæa

H. A. One of the best annual climbers, attaining a height of 15 feet. Flowers bell-shaped, about 3 inches in diameter. Fine for porch trellises and will grow indoors throughout the winter.
SCANDENS. Rich purple. Pkt., 10 cts.; $\frac{1}{4}$ oz., 25 cts.
SCANDENS ALBA. White. Pkt., 10 cts.; $\frac{1}{4}$ oz., 40 cts.

COCKSCOMB. See Celosia.

Coleus

CHOICE HYBRIDS. A. Our strain produces the finest colored, most attractive and novel foliage plants for house or garden culture. Easily raised. Sow indoors in March or April. Pkt., 25 cts.

Convolvulus

(Morning Glory)

Major or tall varieties. One of the most popular annual climbers, growing about 15 feet in height and thriving in almost any situation.
MIXED. The ordinary variety. Pkt., 10 cts.; oz., 20 cts.
DOUBLE FLOWERING. Mixed colors. Pkt., 10 cts.; oz., 60 cts.
 Imperial Japanese or Emperor Morning Glories, see Ipomea.



New Double Cosmos (See Page 5)



Colossal Cosmos

Giant Cosmos

For other varieties, see page 5.

Cultural Directions. Sow in the open ground about May 1st. Extra early sorts will bloom the latter part of July, two months before the late-flowering kinds. By careful selection the early varieties will have flowers as large as the late-flowering kinds, and will undoubtedly perfect their blooms in the most northerly states.

Extra Early Colossal or Midsummer Giant Cosmos

EARLY CRIMSON. Very rich... Pkt., 10 cts.; $\frac{1}{4}$ oz., 25 cts.
EARLY PINK. A pretty shade... Pkt., 10 cts.; $\frac{1}{4}$ oz., 25 cts.
EARLY PURE WHITE.... Pkt., 10 cts.; $\frac{1}{4}$ oz., 25 cts.
 A packet each of the 3 colors for 25 cts.
EARLY MIXED. All colors. Pkt., 10 cts.; $\frac{1}{4}$ oz., 20 cts.; oz., 60 cts.

Autumn Giant Cosmos

This popular autumn flower bears gigantic flowers, with wide, overlapping petals, making perfectly circular flowers, which are borne on long stems. This type produces the largest and finest blooms in September and October.

GIANT PINK. A beautiful deep rosy pink. Pkt., 10 cts.; $\frac{1}{4}$ oz., 20 cts.
GIANT WHITE. The white-flowered form of the above. Pkt., 10 cts.; $\frac{1}{4}$ oz., 20 cts.
GIANT CRIMSON. Rich crimson. Pkt., 10 cts.; $\frac{1}{4}$ oz., 20 cts.
 A packet each of the 3 colors, 25 cts.
GIANT MIXED. Contains an even proportion of the 3 colors. Pkt., 10 cts.; $\frac{1}{4}$ oz., 20 cts.; oz., 50 cts.

Cyclamen

(Alpine Violet)

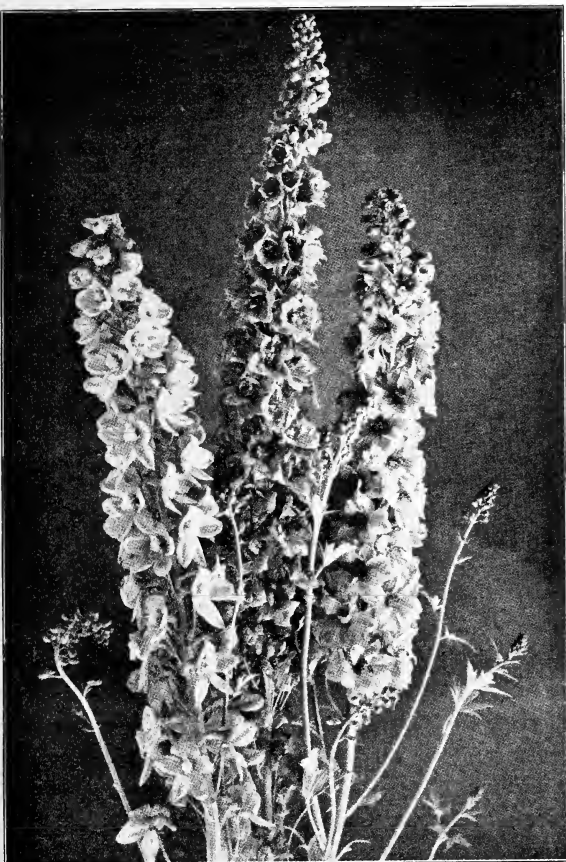
Charming house plants, with beautiful foliage and rich colored fragrant flowers; universal favorites for winter and spring blooming. May be successfully raised from seed with a little care and patience. 1 ft.

GIANT FLOWERED CYCLAMEN. Mixed, extra choice, 10 seeds, 30 cts.; 20 seeds, 50 cts.; 100 seeds, \$2.00.

Cypress Vine

A popular climber noted for dainty fern-like foliage and star-shaped flowers.

FINEST MIXED. White and scarlet. Pkt., 10 cts.; $\frac{1}{4}$ oz., 25 cts.



Delphinium—Gold Medal Hybrids

Delphinium

H. P. These are hardy Larkspurs of the old-fashioned garden, much improved by the addition of many new colors and forms. Magnificent blues predominate although other attractive shades are not wanting. The plants are tall and stately, blooming from late June until October. July and August are good months for outdoor sowing, although many varieties will bloom the first season from seed sown in early spring. A fairly rich soil and sunny situations suit them best.

GOLD MEDAL. Hybrids. (Perennial Larkspur). This is a mixture of twelve of Blackmore & Langdon's finest varieties grown separately and seed mixed after harvest. The plants are of strong, vigorous habit, with immense spikes from 2 to 3 ft. long. Pkt., 15 cts.; $\frac{1}{4}$ oz., 60 cts.

BELLADONNA, IMPROVED. (Everlasting Hardy Larkspur). This is the freest and most continuous blooming hardy Larkspur from June until frost. Clear turquoise blue unequalled for the hardy border. Pkt., 25 cts.; $\frac{1}{4}$ oz., \$1.00.

BELLAMOSUM. This is a rich, deep blue form of the popular light blue Belladonna, having the same free-blooming and other good qualities. Pkt., 25 cts.; $\frac{1}{4}$ oz., \$1.25.

CHINENSE (Blue Butterfly). A distinct and neat variety, growing about 18 inches high, with fine feathery foliage, and producing spikes of large blossoms of intense gentian blue. Pkt., 10 cts.; $\frac{1}{4}$ oz., 40 cts.

ALBUM. The white-flowered form of the preceding. Pkt., 10 cts.; $\frac{1}{4}$ oz., 40 cts.

DOUBLE HYBRIDS. Finest double mixed in great variety of charming colors. Pkt., 15 cts.; $\frac{1}{4}$ oz., 75 cts.

Dahlia

A half hardy perennial, flowering the first year, blooming as early and as freely as if grown from tubers.

COLLARETTE. Finest mixed. Pkt., 15 cts.

DOUBLE CACTUS. Finest mixed. Very desirable. Pkt., 15 cts.

FINEST DOUBLE MIXED. From choicest flowers. Pkt., 15 cts.; $\frac{1}{4}$ oz., 50 cts.

FINEST SINGLE MIXED. Best varieties only. Pkt., 10 cts.; $\frac{1}{4}$ oz., 30 cts.

Shasta Daisy

(See also Bellis Perennis)

One of Burbank's productions which has become very popular. Many types are found in our stock, all very desirable. Pkt., 10 cts.; $\frac{1}{4}$ oz., 50 cts.

Dianthus

(Divine Flower)

DOUBLE ANNUAL PINKS

CHINA OR INDIAN PINKS (*Dianthus chinensis*). Flowering from early summer to fall; strong, sturdy growers, suitable for beds and borders. Flowers very double and in unlimited variety of colors on long, stiff stems. Finest mixed. Pkt., 10 cts.; $\frac{1}{4}$ oz., 25 cts.

JAPANESE PINKS (*D. Heddegi* and varieties). A beautiful class of sturdy growing plants, 10 to 12 inches high and of the same width; handsomely marbled and mottled flowers in all imaginable colors; 2 inches and over in diameter. Finest mixed. Pkt., 10 cts.; $\frac{1}{4}$ oz., 35 cts.

DIADAM PINKS. Very large, showy flowers, beautifully marked and flaked. Splendid mixed. Pkt., 10 cts.; $\frac{1}{4}$ oz., 40 cts.

ROYAL PINK. A beautiful class for cutting; flowers large and exceedingly fragrant, very double and on long stems; colors range from white to rose, and scarlet to blood red. Pkt., 10 cts.; $\frac{1}{4}$ oz., 40 cts.

DOUBLE FIREBALL. Brilliant scarlet; very compact and floriferous vines; for massing. Pkt., 10 cts.; $\frac{1}{4}$ oz., 50 cts.

SINGLE ANNUAL PINKS

CRIMSON BELLE. Large, handsome, dark red flowers. Pkt., 10 cts.; $\frac{1}{4}$ oz., 40 cts.

EASTERN QUEEN. Flowers marbled rose and white. Pkt., 10 cts.; $\frac{1}{4}$ oz., 40 cts.

SINGLE ROYAL PINK. Large flowers; petals fringed and crimped. Blood red to white in color. Finest mixed. Pkt., 10 cts.; $\frac{1}{4}$ oz., 40 cts.

"SALMON QUEEN." The well formed, nicely fringed flowers are a brilliant salmon color changing into a salmon rose when fading. Pkt., 10 cts.; $\frac{1}{4}$ oz., 50 cts.

VESUVIUS. Brilliant geranium red; makes a very effective bed or border. Pkt., 10 cts.; $\frac{1}{4}$ oz., 40 cts.

SINGLE PINKS, MIXED. Pkt., 10 cts.; $\frac{1}{4}$ oz., 30 cts.

HARDY GARDEN PINKS

Very desirable for beds, borders, cemetery planting, etc. The flowers are highly prized for their spicy, refreshing odor.

PLUMARIUS CYCLOPS (Clove Pink). An exquisite mixture of colors. Pkt., 10 cts.; $\frac{1}{4}$ oz., 75 cts.

PLUMARIUS FL. PL. (Double Hardy Scotch Pinks). Double and semi-double varieties in beautiful colors. Pkt., 15 cts.; $\frac{1}{4}$ oz., 60 cts.

SEMPERFLORENS. 15 inches. Single and double, flowers all spring and summer. Mixed colors. Pkt., 25 cts.; $\frac{1}{4}$ oz., 75 cts.

JOHNSON'S SPECIAL MIXTURE. A grand selection of clove pinks of the above Plumarius type and others. Pkt., 20 cts.; $\frac{1}{4}$ oz., 75 cts.

Digitalis

(Foxglove)

One of the finest of perennials, bearing long spikes of Gloxinia-like flowers of tubular shape. Plants will grow in partial shade and in almost any good garden soil; attain a height of 4 feet.

GLOXINIODES, PURPLE. Pkt., 10 cts.; $\frac{1}{4}$ oz., 40 cts.

GLOXINIODES, ROSE. Bright, showy flowers borne profusely on fine spikes. Pkt., 10 cts.; $\frac{1}{4}$ oz., 40 cts.

GLOXINIAEFLORE, WHITE. Pure white flowers with dark green foliage; make a fine show. Pkt., 10 cts.; $\frac{1}{4}$ oz., 40 cts.

CANARIENSIS. A novel color, orange brown. Of easy culture. Give slight shade and good soil. Pkt., 15 cts.

CHOICEST MIXED. Gloxinia-like flowers. Pkt., 10 cts.; $\frac{1}{4}$ oz., 35 cts.



Johnson's Seeds that Produce

Dictamnus

(Dittany or Gas Plant)

H. P. Flowers formed on long spikes; the leaves are thick and if rubbed emit a pleasing fragrance.

FRAXINELLA. 3 feet. An old and beautiful plant with ash-like foliage and large spikes of deep pink, purple veined flowers, excellent for cutting. 3 feet. Pkt., 15 cts.; $\frac{1}{4}$ oz., 40 cts.

Dimorphotheca

(African Golden Daisy)

AURANTIACA. Glossy orange gold. Pkt., 10 cts.; $\frac{1}{4}$ oz., 50 cts.
NEW HYBRIDS. White and yellow shades. Pkt., 10 cts.; $\frac{1}{4}$ oz., 50 cts.

Dracaena

(Dragon Plant)

INDIVISA. Beautiful ornamental leaved plants; long, narrow, green foliage; indispensable for vases and house decorations. Pkt., 10 cts.; $\frac{1}{4}$ oz., 25 cts.

Eupatorium

(Thoroughwort)

AGERATOIDES. 2 feet. Pure white ageratum-like flowers; does well in shade. Pkt., 10 cts.

Euphorbia

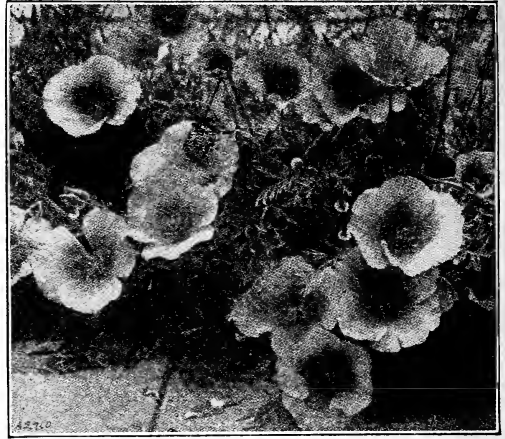
Exceedingly ornamental foliage and inconspicuous flowers. Very effective in beds and borders. Prefers full sun, but will grow in rather poor soil.

VARIEGATA (Snow on the Mountain). H. A. Fine for bordering, with its clusters of white flowers and foliage variegated green and white. 24 inches. Pkt., 10 cts.; $\frac{1}{4}$ oz., 20 cts.

HETEROPHYLLA (Mexican Fire Plant). Pkt., 15 cts.; $\frac{1}{4}$ oz., 40 cts.



Gaillardia—Portola Hybrids (See page 6)



Eschscholtzia—California Poppies

Eschscholtzia

(California Poppy)

One of the best annuals for bedding, having large, poppy-like flowers varying in different shades of white and yellow. Foliage is very finely cut and the plants bloom from early summer till frost.

CALIFORNICA. Yellow, orange center. Pkt., 10 cts.; $\frac{1}{4}$ oz., 50 cts.

CARMINE KING. Deep carmine. Pkt., 10 cts.; $\frac{1}{4}$ oz., 50 cts.

GOLDEN WEST (Maritima). Bright orange yellow. Pkt., 10 cts.; $\frac{1}{4}$ oz., 50 cts.

SCARLET BEAUTY. Petals deep scarlet inside, lighter on outside. Pkt., 10 cts.; $\frac{1}{4}$ oz., 50 cts.

TANGO. Bronzy red overlaid with terra cotta. Pkt., 10 cts.; $\frac{1}{4}$ oz., 50 cts.

VESUVIUS. Rich coppery red which glistens in the sunlight. Pkt., 10 cts.; $\frac{1}{4}$ oz., 50 cts.

SINGLE FLOWERED, MIXED. Extra fine. Pkt., 10 cts.; oz., 35 cts.

DOUBLE FLOWERED, MIXED. Very good semi-double flowers. Nice for bedding or for massing. Pkt., 10 cts.; $\frac{1}{4}$ oz., 30 cts.

Everlasting Flowers

(Helichrysum—Straw Flowers)

Flowers of eternal beauty, those that never fade. Unsurpassed for winter decoration, and when made into bouquets or arrayed in vases, they last for years. Should be cut and dried when in bud and blossom.

ACROCLINUM ALBUM FL. PL. Graceful; double, rose flowers. 1 ft. Pkt., 10 cts.; $\frac{1}{4}$ oz., 30 cts.

AMMOBIUM ALATUM GRANDIFLORUM. Clusters of pure white flowers. 2 ft. Pkt., 10 cts.; $\frac{1}{4}$ oz., 25 cts.

GOMPHRENA GLOBOSA, MIXED. Flesh, rose purple and white. Known as Globe Amaranth. Very neat for pots. 1½ ft. Pkt., 10 cts.; $\frac{1}{4}$ oz., 25 cts.

HELICHRYSUM MONSTROSUM. Double. Splendid mixed. About six colors. 1½ ft. Pkt., 10 cts.; $\frac{1}{4}$ oz., 30 cts.

RHODANTHE MANGLESI. Bright rose; charming and particularly neat in pots in spring. Three plants should be potted together as foliage is small. 1 ft. Pkt., 10 cts.

XERANTHEMUM ANNUM. Very nice for summer cutting or winter bouquets. Double; white, rose and purple. Mixed. Pkt., 10 cts.; $\frac{1}{4}$ oz., 30 cts.

Fern Spores

Fine mixed greenhouse varieties. Pkt., 25 cts.

Fuchsia

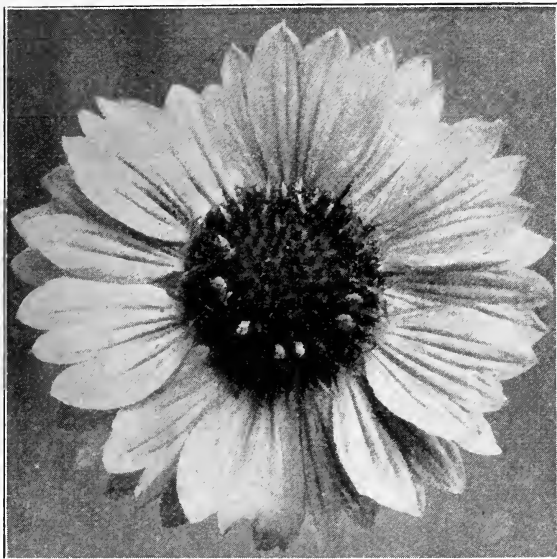
Double and single varieties mixed. Saved from a prize collection. Pkt., 50 cts.

FEVERFEW. See *Matricaria*.

FORGET-ME-NOT. See *Myosotis*.

FOUR O'CLOCK. See *Marvel of Peru*.

FOXGLOVE. See *Digitalis*.



Gaillardia

Godetia (Hardy Annual)

Succeeds best in poor soil. Very free blooming.
CHARMING. See cut, page 7. A new introduction from England. Color is a clear satiny-pink. Pkt., 25 cts.
FINEST SINGLE MIXED ANNUALS. Pkt., 10 cts.; ¼ oz., 25 cts.
FINEST DOUBLE MIXED. Pkt., 10 cts.; ¼ oz., 25 cts.

Gourds

(Ornamental)

Besides the curious fruits, Gourds are desirable to cover walls, arbors, etc. Tender annual.

SMALL VARIETIES. Mixed. Pkt., 10 cts.; oz., 25 cts.
 We can also supply any of the following: Hercules Club, Dish Rag, Dipper and Nest Egg, all at Pkt., 10 cts.; oz., 30 cts.

Grevillea

(Silk Oak)

ROBUSTA. Fern-like foliage. A fine decorative plant for house and greenhouse; it may be easily grown from seed. 4 ft. Pkt., 10 cts.; ¼ oz., 75 cts.

Ornamental Grasses

Specimen plants. Clumps or entire beds of harmonious varieties are especially interesting. They are always valuable for cutting, and may be preserved and used in combination with everlasting flowers for winter bouquets, decorations, etc.

ANNUAL VARIETIES

BRIZA MAXIMA. 1½ ft. Quaking grass. Pkt., 10 cts.
COIX LACHRYMAE (Job's Tears). Seeds are used as beads. 1½ ft. Pkt., 10 cts.; oz., 30 cts.
ERAGROSTIS ELEGANS (Love Grass.) Nice for sweet pea bunching. 1½ ft. Pkt., 10 cts.
PENNISETUM LONGISTYLUM. Graceful, greenish-white plumes. Pkt., 10 cts.

PERENNIAL VARIETIES

PENNISETUM JAPONICUM. One of the most valuable for beds or specimens. Easily grown from seed, making nice plants the first year. 4 ft. Pkt., 10 cts.
GYNERIUM ARGENTEUM (Pampas Grass). Beautiful silvery plumes. 8 to 10 ft. Pkt., 10 cts.
STIPA PENNATA (Feather Grass). Silvery white, feathery plumes. 2 ft. Pkt., 10 cts.

Heliotrope

(Cherry Pie)

Delightfully fragrant. Fine for beds or pots. Half hardy perennial.

FINEST MIXED. Pkt., 10 cts.; ½ oz., 30 cts.

Gaillardia

(Blanket Flower)

Very showy plants, used abundantly for borders and bedding, splendid for cut flowers. Seed should be started early and will flower continually until frost.

ANNUAL VARIETIES

PICTA, SINGLE MIXED. Annual. Pkt., 10 cts.; ¼ oz., 25 cts.
PICTA, DOUBLE MIXED. Annual. Pkt., 10 cts.; ¼ oz., 35 cts.

PERENNIAL VARIETIES

GRANDIFLORA HYBRIDA. FINEST MIXED. Continual bloomer; very showy and one of the most brilliant garden flowers. Fine for perennial borders. Pkt., 10 cts.; ¼ oz., 30 cts.
AMBLIODON. Perennial. Rich blood red; very effective. Pkt., 10 cts.
KELWAY'S EXHIBITION HYBRIDS. Entirely distinct. A grand new and improved strain. Flowers of enormous size, borne on stout stems. Choicest mixed. Pkt., 15 cts.; 2 pkts., 25 cts.

Geum

H. P. Large, showy flowers in colors of scarlet and yellow. Fine herbaceous plants for shrubbery border.

COCCINEUM. Much improved large-flowered variety; bright scarlet flowers. 1 ft. Pkt., 10 cts.

MRS. BRADSHAW. Very large double flowers of the brightest scarlet color. An excellent variety. Pkt., 15 cts.

Globe Amaranth

(Gomphrena)

H. A. Globe-shaped, everlasting flowers. When in full bloom should be cut and hung up to dry; will hold their color all winter.

FINEST MIXED. 2 ft. Pkt., 10 cts.; ¼ oz., 30 cts.

Gloxinia

JOHNSON'S INTERNATIONAL MIXTURE. Magnificent house blooming plants, with handsome bell-shaped flowers in a diversity of the richest colors. Pkt., 50 cts.

Gypsophila

(Baby's Breath)

Graceful plants, with tiny flowers produced in abundance in loose panicles. Excellent for their delicate effect in bouquets.

PANICULATA FL. PL. An extremely vigorous race, producing about 50 per cent of perfectly double pure white flowers. Pkt., 20 cts.; ½ oz., \$1.00.

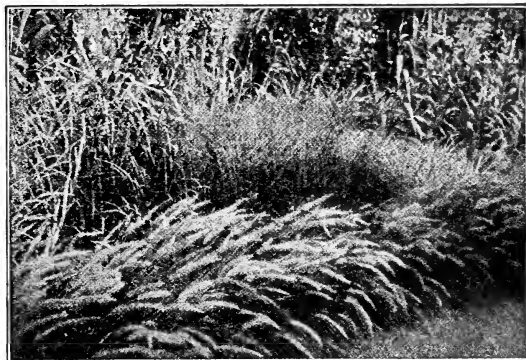
ELEGANS GRANDIFLORA ALBA. Annual. An improved large-flowered white form. Pkt., 10 cts.; oz., 25 cts.

PANICULATA. This perennial variety is useful for cutting and a fine border plant. Branches may be used for winter bouquet. 3 ft. Pkt., 10 cts.; ¼ oz., 25 cts.

ELEGANS ROSEA. Soft pink. Pkt., 10 cts.; oz., 35 cts.

MURALIS. 6 inches. A lovely little rock or edging plant with rose pink flowers. Pkt., 10 cts.

HELICHRYSUM. (See Everlastings.)



Ornamental Grasses



Johnson's Seeds that Produce

Heuchera

(Alum Root or Coral Bells)

SANGUINEA. H. P. Long stems of large crimson scarlet flowers. Splendid for cutting. Pkt., 25 cts.

Hibiscus

(Rose Mallow)

Noble shrub-like plants, with handsome green foliage, bearing throughout summer large bright flowers, from 3 to 5 inches in diameter. Very hardy. Suitable for garden and indoor use when cut.

CRIMSON EYE. Creamy white flowers, large crimson center. Pkt., 10 cts.

GOLDEN BOWL. Deep cream, with a velvety maroon center. Pkt., 15 cts.

MOSCHUTOS. Very showy pink flowers. Pkt., 10 cts.

MIXED MALLOW MARVELS. Grand assortment. Pkt., 10 cts.; ¼ oz., 30 cts.

Hollyhock

HARDY PERENNIALS

We give particular attention to this most popular flower. Seed sown in June or earlier will flower the following summer.

ALLEGHENY, MAMMOTH FRINGED. Very large flowers, finely fringed. Early sown seed will flower the first season. 7 ft. Mixed. Pkt., 15 cts.; ¼ oz., 50 cts.; oz., \$1.75.

DOUBLE MAROON, DOUBLE RED, DOUBLE SALMON ROSE and DOUBLE YELLOW. All at Pkt., 10 cts.; ¼ oz., 50 cts.

NEWPORT PINK. Fine, pure pink, double variety, exquisite in shade; flowers very double. Pkt., 15 cts.; ¼ oz., 60 cts.

EXTRA CHOICE DOUBLE MIXED. The seed offered under this head has been saved from the finest double flowers only; sure to produce satisfactory results. Pkt., 10 cts.; ¼ oz., 40 cts.

ANNUALS

EVERBLOOMING SINGLE MIXED. Large flowers, exhibiting every shade known in Hollyhocks. Pkt., 10 cts.; ¼ oz., 70 cts.

EVERBLOOMING DOUBLE MIXED. Double and semi-double. Pkt., 10 cts.; ¼ oz., 70 cts.

IBERIS. (See Candytuft).

Ipomoea

(Morning Glory)

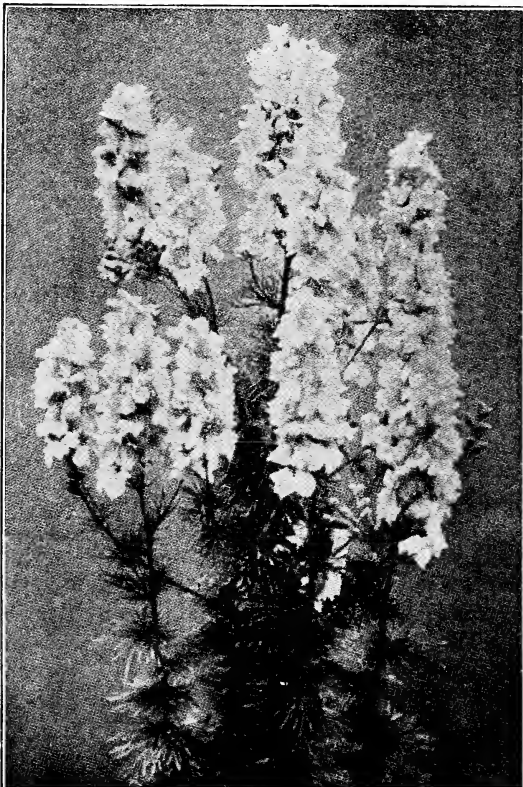
HEAVENLY BLUE (Rubra Caerulea). Beautiful sky-blue flowers. Pkt., 10 cts.; ¼ oz., 30 cts.

NOCTIFLORA (Moonflower). At night and during dull days the plants are covered with an abundance of large, pure white, fragrant flowers. Pkt., 10 cts.; oz., 60 cts.

SETOSA (Brazilian Morning Glory). Large leaves and bright rose-colored flowers. Pkt., 10 cts.; oz., 30 cts.

JAPANESE IMPERIAL. Flowers of immense size and of a great variety of colors. Pkt., 10 cts.; oz., 30 cts.

JAPANESE IMPERIAL FRINGED. Large fringed flowers of many beautiful colors and shades. Pkt., 10 cts.; oz., 50 cts.



Larkspur—Stock Flowered



Lavatera—Rosea Splendens

Kochia

(Summer Cypress)

IMPROVED TRICHOPYLLA. Grows in a compact bush about 3 feet high. Cannot be excelled for a temporary hedge or screen. Pkt., 10 cts.; ¼ oz., 20 cts.; oz., 50 cts.

Larkspur

(Annual Delphinium)

These handsome Larkspurs are very effective in borders and planted amongst shrubs. The graceful spikes of bloom are much valued for vases. They continue long in bloom. The Emperor, Hyacinth-flowered and branching varieties bloom a little later than the stock-flowered. Sow seed in the open border either in early spring or late fall so germination may take place very early in the spring.

STOCK FLOWERED

Dark Blue
Dark Rose
Exquisite Pink

Flesh Pink
Lustrous Carmine
(Newport Pink)

Lilac
Sky Blue
White

Each of the above, pkt., 10 cts.; any 3 pkts. for 25 cts. Mixed, all colors. Pkt., 10 cts.; ¼ oz., 20 cts.; oz., 60 cts.
GIANT HYACINTH-FLOWERED MIXED. 3 ft. Derives its name from the striking resemblance of the flowers to a double Hyacinth. Delicate colors. Pkt., 10 cts.
DWARF ROCKET MIXED. 1 ft. Pkt., 10 cts.
EMPEROR MIXED. Produce an abundance of long, slender spikes in the most delicate colors. Pkt., 10 cts.
SPECIAL MIXTURE. Annual Larkspurs. A charming mixture containing all the bright and delicate shades, makes wonderful cut flower material and should be planted generously. Pkt., 10 cts.; ¼ oz., 30 cts.; oz., \$1.00.

Lavatera

The Lavateras or Annual Mallows are showy and effective plants covered during the entire summer with bloom. For large borders and cutting they are very desirable.

SPLENDENS ALBA. Very large, silky, pure white flowers. Pkt., 10 cts.; ¼ oz., 25 cts.

SPLENDENS ROSEA. Very large bright rose flowers. Pkt., 10 cts.; ¼ oz., 25 cts.

Lantana

FINEST FRENCH MIXED. Desirable half hardy perennial. Pkt., 10 cts.; ¼ oz., 30 cts.

Lathyrus

HARDY SWEET PEAS. Mixed. Pkt., 10 cts.; ¼ oz., 25 cts.

Liatriis

(Blazing Star; Gay Feather)

A very attractive, native, hardy perennial. The purple and rosy purple flowers are borne on long spikes. Excellent for cutting. 3 to 4 ft. July to September.

MIXED VARIETIES. Pkt., 10 cts.



Linaria

(Kenilworth Ivy)

Trailing plant for baskets and boxes. Pkt., 15 cts.

Linum

GRANDIFLORUM RUBRUM (Scarlet Flax). Ideal for bedding; dwarf and compact, with light green foliage and bright scarlet flowers; annual; 1 ft. Pkt., 10 cts.; ½ oz., 15 cts.; oz., 25 cts.

Lobelia

Tender perennial which flowers first season. Adapted to edging, borders, baskets, etc.

CRYSTAL PALACE COMPACTA. Fine for bedding. Pkt., 10 cts.; ½ oz., 50 cts.

GRACILIS. Light blue, trailing. Pkt., 10 cts.; ½ oz., 50 cts.

CARDINALIS (Cardinal Flower). A native variety, with spikes of brilliant scarlet flowers; fine hardy border plant; 3 ft. Pkt., 25 cts.; ½ oz., 75 cts.

Lupinus

(Lupine—Sun Dial)

ANNUAL SORTS. An easily grown, free-flowering annual. Long graceful spikes of rich-colored, pea-shaped flowers. Prefers a little shade.

	Pkt.	½ oz.
Hartwegi roseus. Rose.....	\$0.10	\$0.25
Hartwegi albus. White.....	.10	.25
Hartwegi caelestinus. Sky-blue.....	.10	.25
Hartwegi, Mixed.....	.10	.25

PERENNIAL SORTS. Bloom in May and June. Succeeds in any good garden soil. 3 ft.

	Pkt.	½ oz.
Polyphyllus. White.....	\$0.10	\$0.25
Polyphyllus. Blue.....	.10	.25
Polyphyllus. Rose.....	.10	.30
Polyphyllus. Mixed.....	.10	.25

Marvel of Peru

(Four O'clock)

We make a specialty of this fine old garden favorite. Give good soil and sunny location. Splendid mixed hybrids. Pkt., 10 cts.; oz., 20 cts.

Maurandia

Elegant twining, climbing plants with handsome foliage and flowers. Pkt., 10 cts.



Defiance Mignonette



Lupines

Marigold

(Tagetes)

Splendid for beds or borders; the tall varieties grow about 3 feet high; the dwarf sorts, 18 to 24 inches.

DOUBLE AFRICAN (Tagetes Erecta)

ELDORADO. Bright orange flowers, shaded primrose, 3 to 4 inches across. 2 ft. Pkt., 10 cts.; ¼ oz., 40 cts.

LEMON QUEEN. Very large, double canary yellow flowers. Erect, branching habit. 2 ft. Pkt., 10 cts.; ¼ oz., 50 cts.

ORANGE PRINCE. A high-bred tall growing variety, bearing large perfect double quilled flowers of a rich deep golden orange color; the finest of all and very showy. Pkt., 10 cts.; ¼ oz., 50 cts.

PRIDE OF THE GARDEN. Dwarf and bushy; double, large-sized flowers of various shades of yellow. Pkt., 10 cts.; ¼ oz., 40 cts.

TALL DOUBLE AFRICAN MIXED. Pkt., 10 cts.; ¼ oz., 25 cts.

DWARF DOUBLE AFRICAN MIXED. Pkt., 10 cts.; ¼ oz., 25 cts.

Dwarf Single Marigold

(Signata Pumila)

A miniature Marigold, forming compact little plants 6 to 8 inches high, and completely covered with flowers, which are bright yellow with brown stripe down the center of each petal. Very striking for edgings. Sow the seed in spring in boxes and transplant.

LEGION OF HONOR. Single; bright yellow edges with dark crimson spots or blotches; a good bedder. 9 inches high. Pkt., 10 cts.; ¼ oz., 30 cts.

Matricaria

FEVERFEW. For beds and edges. Half hardy. Dwarf double white. Pkt., 10 cts.

EXIAMIA, GOLDEN BALL. Golden yellow; fine for pots. Pkt., 15 cts.

Mignonette

(Reseda Odorata)

LARGE SWEET SCENTED. Most satisfactory for garden. Pkt., 5 cts.; oz., 20 cts.

MACHET. Dwarf; very floriferous and fragrant. Pkt., 10 cts.; ¼ oz., 25 cts.

RED GOLIATH. Immense red flowers and most delicious odor. Pkt., 15 cts.; ¼ oz., 50 cts.

DEFIANCE. Immense spikes which keep until every bud is open. Pkt., 10 cts.; ¼ oz., 25 cts.

Mimosa

(Sensitive Plant)

PUDICA. White with pink blush. Pkt., 10 cts.; ¼ oz., 50 cts.



Johnson's Seeds that Produce

Mimulus

(Musk Plant)

MOSCHATUS. For baskets, etc. Yellow flowers; fragrant foliage. Pkt., 15 cts.; ¼ oz., 50 cts.
MORNING GLORY. (See Convolvulus.)

Myosotis

(Forget-Me-Not)

ALPESTRIS ROYAL BLUE. Rich indigo. Pkt., 10 cts.; ¼ oz., 50 cts.
ALPESTRIS WHITE. Very fine. Pkt., 10 cts.; ¼ oz., 40 cts.
ALPESTRIS MIXED. Various colors. Pkt., 10 cts.; ¼ oz., 40 cts.
DISSITIFLORA. Perennial. Clear blue. Early. Pkt., 15 cts.
PALUSTRIS SEMPERFLORENS. Dark blue. Pkt., 15 cts.
HYBRIDA, RUTH FISCHER. Hardy biennial. Pure forget-me-not blue. Fine for cutting and for hanging baskets. Can be forced successfully and, owing to its extreme hardiness, it is valuable for spring bedding in open ground. Pkt., 25 cts.

Nasturtiums

Tall Nasturtiums are especially suitable for covering fences, rockeries, trellises or waste places that may not be very fertile, while the dwarf are splendid for borders and edgings.

JOHNSON'S SUPERB TALL MIXED. This is a fitting companion mixture to Johnson's Superb Dwarf collection. It contains the choicest colors in greatest variety. Pkt., 5 cts.; oz., 15 cts.; 2 ozs., 25 cts.; 4 ozs., 40 cts.; lb., \$1.25.

JOHNSON'S SUPERB DWARF MIXED. One of the choicest collections of really high-class varieties not commonly found in mixtures. It contains many high priced named kinds of superb colors. Pkt., 5 cts.; oz., 20 cts.; 2 ozs., 35 cts.; 4 ozs., 60 cts.; lb., \$2.00.

VARIEGATED VARIETIES

Ivy-leaved, mixed. Pkt., 10 cts.; oz., 20 cts.

Variegated-leaved, mixed. Pkt., 10 cts.; oz., 20 cts.; 4 ozs., 60 cts.

Nicotiana

(Tobacco Plant)

H. A. The long tube-like flowers are borne in clusters and open toward evening. 2 to 3 ft. Succeeds best in sunny beds or borders.

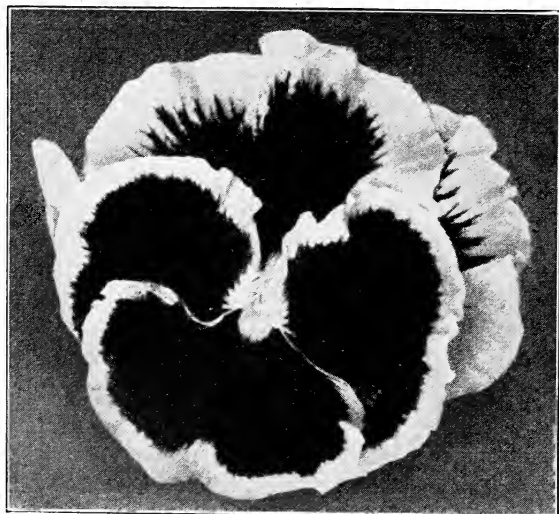
AFFINIS. White, 3 ft. Pkt., 10 cts.; ¼ oz., 25 cts.

AFFINIS HYBRIDS. Finest mixed. 3 ft. Blooms all summer. Pkt., 10 cts.; ¼ oz., 45 cts.

Nierembergia

(Cup Flower)

FRUTESCENS. Blooming the first year if sown early. Most desirable for baskets, etc. Pkt., 10 cts.; ¼ oz., 40 cts.



Johnson's Universal Pansy



Nigella (Love-in-a-Mist)

Nigella

(Love-in-a-Mist or Devil-in-the-Bush)

H. A. Charming and showy flowers, with finely cut foliage which surrounds the flower.

MISS JEKYLL. Double, bright blue; excellent for cutting. Pkt., 10 cts.; ½ oz., 25 cts.

DAMASCENA. A compact, free-flowering plant of easy culture, growing in any garden soil; hardy annuals; blue and white mixed; 1 ft. Pkt., 10 cts.; oz., 25 cts.

Johnson's Superb Pansies

(Heartsease)

The seed that we offer comprises the very finest strains obtainable, and will be found very superior. Pansy plants ready at proper season.

FINEST SHOW PANSIES. Enormous Flowers

JOHNSON'S UNIVERSAL MIXTURE. This is the finest mixture possible to make as regards size, texture and colorings. Pkt., 50 cts.; ½ oz., \$1.00; oz., \$7.00.

MASTERPIECE. Giant curled and ruffled Pansies. Very beautiful, containing the richest combination of colors. Pkt., 25 cts.; ½ oz., 75 cts.

BUGNOT'S SUPERB BLOTCHED. Flowers of enormous size. The shadings comprise tints of red, bronze and brown not found in any other mixture. Pkt., 25 cts.; ½ oz., 75 cts.

CASSIER'S GIANT. The largest-flowered class of blotched Pansies. Pkt., 25 cts.; ½ oz., 75 cts.

GIANT TRIMARDEAUX PANSIES

GIANT GOLDEN QUEEN. Pure yellow. Pkt., 15 cts.; ¼ oz., 75 cts.; oz., \$2.00.

GIANT ATROPURPUREUM. Deep royal purple. Pkt., 15 cts.; ¼ oz., 75 cts.

GIANT WHITE. White, with dark eye. Pkt., 15 cts.; ¼ oz., 75 cts.

GIANT SNOWFLAKE. (Snow Queen or Candidissima). Pure snow white. Pkt., 15 cts.; ¼ oz., 75 cts.

GIANT KING OF THE BLACKS. Intensely dark. Pkt., 10 cts.; ¼ oz., 75 cts.

GIANT STRIPED OR MOTTLED. Curiously striped and flamed sort in rainbow tints. Pkt., 15 cts.; ¼ oz., 75 cts.

GIANT HORTENSIA RED. Very fine. Pkt., 15 cts.; ¼ oz., 75 cts.

GIANT MIXED. Extra fine blending of colors. Pkt., 10 cts.; ¼ oz., 60 cts.; oz., \$2.00.

All Flower Seeds are Postpaid.

Johnson's Seeds that Produce



BALCONY PETUNIAS

A splendid large and free flowering type either for window boxes, vases, hanging baskets, etc., the flowers average 3 inches across and make a very effective display over a long season.

	Per Pkt.
Balcony Blue. Velvety indigo blue...	\$0.20
Balcony Rose. Brilliant rose-pink; very effective .....	.20
Balcony White. The pure white form.	.20
Balcony Crimson. Rich velvety crimson .....	.20
A packet each of the above 4 Balcony Petunias for 60 cts.	
Balcony Mixed. Containing all colors.	.15

Petunia

GIANTS OF CALIFORNIA MIXED. The flowers are very large and the colors embrace every conceivable shade of crimson, white, violet, lavender, etc. Pkt., 25 cts.

SINGLE GIANT-FLOWERED PETUNIAS

JOHNSON'S LARGE-FLOWERING, FRINGED. An unsurpassed mixture from show flowers. Pkt., 25 cts.

RUFFLED GIANTS. A distinct class with very large, deeply ruffled flowers. Pkt., 25 cts.

RUFFLED AND FRINGED GIANTS. Exquisitely fringed and ruffled on the edges, and of immense size, in endless varieties of colors. Pkt., 50 cts.

SINGLE BEDDING PETUNIAS

INIMITABLE COMPACTA. Bushy little plants are covered with pretty striped and star-shaped flowers. Pkt., 10 cts.

HOWARD'S STAR. Very free flowering. A blush pink star on purple ground. Pkt., 10 cts.

ROSY MORN. Soft carmine pink with white throat. Pkt., 10 cts.; 1/8 oz., 75 cts.

PURPLE KING. Royal in color and size; a wonderful introduction. Pkt., 25 cts.; 5 pkts., \$1.00.

HYBRIDA, CHOICE SINGLE MIXED. A good mixture for bedding, baskets, vases, etc. Pkt., 10 cts.; 1/4 oz., 50 cts.; oz., \$1.50.

LARGE-FLOWERING DOUBLE PETUNIAS

In growing Double Petunias from seed the weaker seedlings should be carefully saved, as these usually produce the finest double flowers.

JOHNSON'S SUPERB DOUBLE-FRINGED. Saved from an unrivaled collection; will produce a large percentage of double flowers of the largest fringed varieties in best colors. Pkt., 50 cts.; per 500 seeds, \$1.25.

DOUBLE LARGE-FLOWERING. Beautiful varieties in mixture. This is grown for us by a specialist. Pkt., 35 cts.; per 500 seeds, \$1.00.

Pentstemon

(Beard Tongue)

Highly useful and attractive perennials in the hardy border. **GLOXINIOIDES "SENSATION."** As a bedding plant this takes rank with the Petunia, Phlox, etc. It grows about 2 feet high, every branch being a spike of large Gloxinia-like flowers in a very wide range of bright colors, including rose, red, carmine, cherry pink, lilac, purple, etc. Pkt., 15 cts.; 2 pkts., 25 cts.

BARBATUS TORREYII. Spikes of brilliant coral red, very effective; June to August; 3 to 4 feet. Pkt., 10 cts.

GRANDIFLORA MIXED. A great variety of kinds and colors. Pkt., 10 cts.

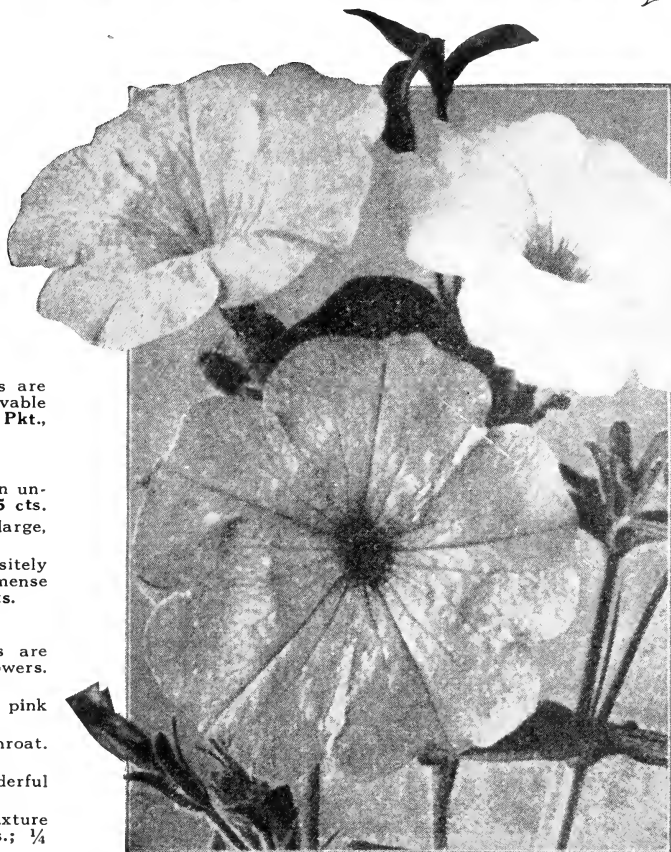
Polyanthus

(Primula Elatior)

LARGE-FLOWERING MIXED. Charming early spring-flowering plants. Perfectly hardy and most effective for beds or masses. Pkt., 15 cts.; 1/8 oz., 75 cts.

Johnson's "Reliable" Flower Seeds

are grown for us by specialists who have had years of experience, and are situated where the climate is best suited to their perfect development. You take little risk in using them.



Balcony Petunias

Phlox Drummondii

This is one of the prettiest annuals and should occupy a prominent place in every garden. The flowers are fine for cutting.

PRIZE MIXTURE OF LARGE-FLOWERING PHLOX. Pkt., 10 cts.; 1/4 oz., 40 cts.; 1/2 oz., 75 cts.

Select Large-flowering Sorts

(Phlox Drummondii Grandiflora)

This is the finest type, having the largest heads of blooms as well as the largest individual flowers, of strong, sturdy growth, attaining a height of 12 to 15 inches.

Finest Mixed	Shell Pink
Alba. Pure white.	Scarlet, White Eye
Bright Rose	Yellow
Crimson	Lilac
Dark Purple	Bright Scarlet

Pkt., 10 cts.; 1/4 oz., 75 cts.; 1/2 oz., \$1.25; oz., \$2.00.

GRANDIFLORA DWARF. Height, 6 inches.

Finest Mixed. Pkt., 10 cts.; 1/8 oz., 60 cts.

Fireball Scarlet. Pkt., 10 cts.; 1/8 oz., 60 cts.

Salmon Pink. Pkt., 15 cts.; 1/8 oz., \$1.00.

Pure White. Pkt., 10 cts.; 1/8 oz., 60 cts.

Yellow. Pkt., 15 cts.; 1/8 oz., 75 cts.

CUSPIDATA (Star Phlox). Flowers star-shaped with long pointed petals. Finest Mixed, 18 in., pkt., 10 cts.; 1/4 oz., 40 cts.

Hardy Phlox

DECUSSATA. Perennial varieties mixed with a celebrated collection. Seed slow in germination and may not sprout in a year. Pkt., 15 cts.; 1/8 oz., 40 cts.

Physostegia

(False Dragon Head)

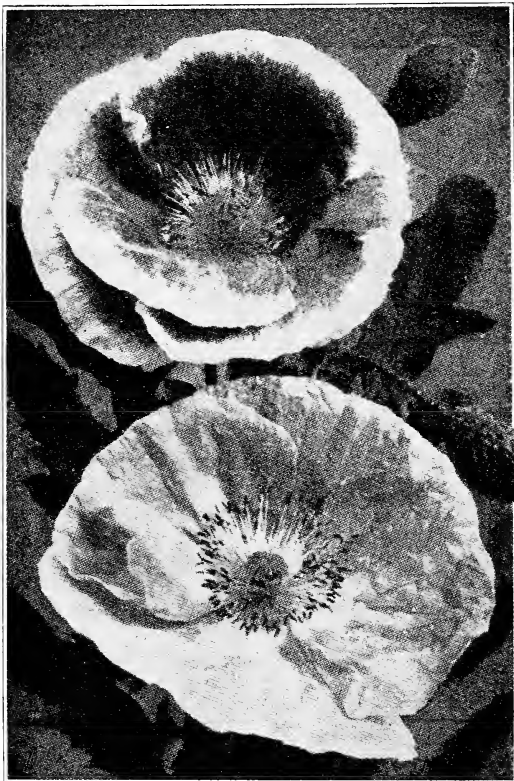
Fine for a cool situation and rich light soil, bearing erect spikes and pretty feather-like flowers. Useful for borders, wild gardens and for cutting.

VIRGINICA. Dense bushes with spikes of delicate pink tubular flowers. 3 ft. Blooms June-September. Pkt., 10 cts.

VIRGINICA ALBA. White. 3 ft. Blooms June-September. Pkt., 10 cts.



Johnson's Seeds that Produce



Giant Shirley Poppies

POPPIES

Double Annual Poppies

PEONY-FLOWERED. Large, showy, double, globular flowers, almost equal to peonies. Our mixture contains the finest colors. Pkt., 10 cts; $\frac{1}{4}$ oz., 30 cts.; oz., 75 cts.

CARNATION-FLOWERED. Splendid, large double flowers, showy and beautifully fringed. Unequalled for variety of colors. Pkt., 10 cts.; $\frac{1}{4}$ oz., 30 cts.; oz., 75 cts.

GIANT DOUBLE MIXED. A mixture of giant-flowering kinds of the richest and brightest colors, as well as the daintiest and softest tints. The plants are sturdy, from 2 to 3 feet high, producing immense flowers, sometimes 4 inches in diameter. Sow in the early spring in sandy soil where they are to remain. Pkt., 10 cts.; $\frac{1}{4}$ oz., 30 cts.; oz., 70 cts.

Single Annual Poppies

GIANT SHIRLEY. The individual flowers are large and elegant, mostly single blooms, some semi-double and double ones, often measuring 3 to 4 inches across. The petals are fluted and crinkled and in the sun appear like crumpled satin. The exquisite colors range from purest white to the deepest of blood-red. Pkt., 10 cts.; $\frac{1}{4}$ oz., 25 cts.; oz., 75 cts.

AMERICAN LEGION. (New). In this we have one of the most beautiful of all Shirley Poppies. A brilliant orange-scarlet with yellow anthers. Pkt., 15 cts.; $\frac{1}{8}$ oz., 35 cts.

TULIP POPPIES. Large and splendid single flowers of the most dazzling scarlet. Pkt., 10 cts.; $\frac{1}{4}$ oz., 35 cts.

Perennial Poppies

There are no flowers more ornamental and useful in our gardens than the various varieties of hardy Poppies. Once started they increase in size and beauty each succeeding season.

LARGE ORIENTAL. Sturdy plants growing about 3 feet high. Its color, a dazzling scarlet with coal-black blotches. Pkt., 10 cts.; $\frac{1}{8}$ oz., 25 cts.; $\frac{1}{4}$ oz., 40 cts.

ORIENTAL HYBRIDS. Splendid hybrids of the Oriental Poppy. Colors include shades of cherry, salmon, darkest red, vivid crimson. Our mixture contains them all. Pkt., 10 cts.; $\frac{1}{8}$ oz., 30 cts.; $\frac{1}{4}$ oz., 45 cts.

ICELAND (Papaver nudicaule). These Poppies are perfectly hardy and in bloom from June until frost; beautiful satin-like flowers, of every shade of yellow, white and orange-scarlet. 1 foot high. Very useful for cut-flowers. Easy to grow. Pkt., 10 cts.; $\frac{1}{8}$ oz., 25 cts.

DOUBLE MIXED ICELAND. This splendid mixture of double-flowering varieties you will find very superior. Pkt., 10 cts.

Primula (Primrose)

HALF HARDY SORTS

Useful for pot culture or for rockeries and borders. While hardy under favorable conditions of soil and moisture, it is prudent to protect them over winter, particularly against saturation of soil by water.

AURICULA. A wonderful range of colors. 1 ft. Pkt., 25 cts.

JAPONICA (Japanese). New hybrids. Vigorous, large-leaved and about 18 inches high, throwing a tall flower stem. Colors vary from bluish-white to crimson and maroon, and of many pleasing shades. Pkt., 25 cts.; $\frac{1}{8}$ oz., \$1.00.

VULGARIS (English Primrose). Yellow, fragrant. Pkt., 10 cts.

MALACOIDES. A giant Baby Primrose from China. Foliage light green, deeply waved and fringed. 6 to 10 inches; light lilac. Pkt., 25 cts.

MALACOIDES ("Snow Queen"). A new introduction from England. Very fine. Pkt., 25 cts.

ELATIOR. (See Polyanthus, page 25).

GIANT FRINGED. Superb mixed. Pkt., 50 cts.

SINESIS STELLATA. Mixed. A beautiful new class. Pkt., 50 cts.

OBCONICA PRIMULAS

A good variety for pot plants for decorative use, blooming from autumn to spring. May also be used outdoors. The grandiflora varieties are the freest flowering, but lack the very large individual blooms of the newer Gigantea type.

GIGANTEA KERMESINA. Rich crimson. Pkt., 25 cts.

ROSEA. Pure rose color. Pkt., 25 cts.

MIXED. All colors. Pkt., 20 cts.

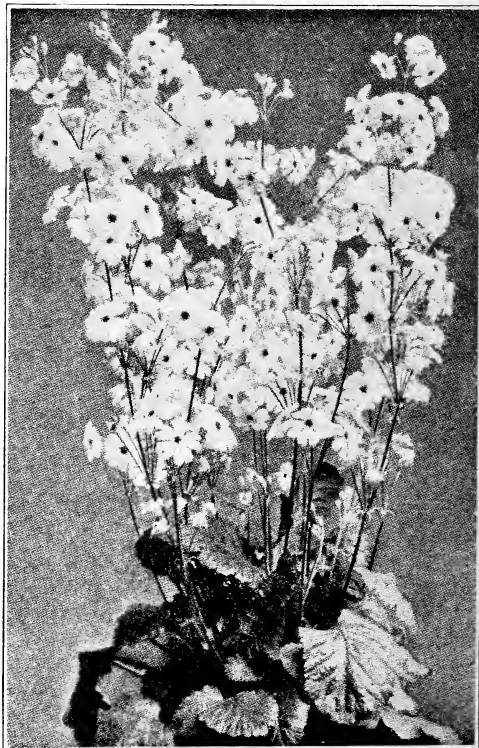
GRANDIFLORA ALBA. Pure white. Pkt., 20 cts.

KERMESINA. Bright crimson. Pkt., 20 cts.

ROSEA. Beautiful clear rose. Pkt., 20 cts.

APPLEBLOSSOM. Soft pink. Pkt., 20 cts.

MIXED. All colors. Pkt., 15 cts.



Primula Malacoides "Snow Queen"



Portulaca

H. A. A very free-flowering plant; excellent for borders and rockeries and frequently used for bedding. Seed sown in May will bloom during July and a continuous display of flowers will be had until frost. 6 in.

FINEST SINGLE MIXED. Pkt., 10 cts.; ¼ oz., 25 cts.; oz., 75 cts.

FINEST DOUBLE MIXED. Pkt., 10 cts.; ¼ oz., 75 cts.; oz., \$2.50.

Pyrethrum

Most attractive hardy perennials. Valuable border plants with stems about two feet high, each surmounted with handsome flowers in the brightest shades of rose, pink, crimson, etc.

SINGLE HYBRIDS. This mixture contains the very largest flowering and choicest varieties. Pkt., 10 cts.; ¼ oz., 75 cts.

GOLDEN FEATHER (Aureum). Dwarf growing varieties with bright yellow foliage; largely used for edgings and ribbon work. Usually treated as an annual. 3 to 4 feet. Pkt., 10 cts.; ¼ oz., 50 cts.

DOUBLE ROSEUM HYBRIDS. Lovely pink shades; splendid for cutting. Pkt., 15 cts.

ULIGINOSUM (Giant Daisy). A fine hardy perennial; grows 3 to 4 feet high, and from July to September is literally hidden beneath the multitude of large white daisy-like flowers. Pkt., 15 cts.

Ricinus (Castor Oil Bean)

Magnificent tropical looking plants for lawns or large beds.

ZANZIBARENSIS. Finest of all. Gigantic leaves of various colors. Pkt., 10 cts.; oz., 25 cts.; ¼ lb., 75 cts.

BOURBONIENSIS. Elegant green foliage. Pkt., 10 cts.; oz., 25 cts.

CAMBODGENSIS. Very dark, almost black. Pkt., 10 cts.; oz., 25 cts.

FINEST MIXED. Pkt., 10 cts.; oz., 25 cts.; ¼ lb., 55 cts.

Rudbeckia

(Coneflower)

BICOLOR SUPERBA. Fine free-flowering annual growing about 2 feet high; forming a dense bush. The disc is brown, the florets golden yellow, with large velvety brown spots at the base; useful for cutting. Pkt., 10 cts.; ¼ oz., 25 cts.

PURPUREA (Giant Purple Coneflower). A most interesting hardy perennial producing all summer large, showy reddish purple flowers, about 4 inches across. Pkt., 15 cts.

Salpiglossis

FINE MIXED (Painted Tongue). All colors. Pkt., 10 cts.; ¼ oz., 40 cts.; oz., \$1.25.

CANDELABRA. Instead of branching out from the bottom, the plants send up a strong center stem. The side branches are full of beautifully marked, large, petunia-like flowers. The whole plant has a wonderful stately appearance in the border. The flowers are larger than the ordinary Salpiglossis, and the colorings include the finest orchid shades. Mixed colors. Pkt., 30 cts.



Scabiosa, Tall Double Mixed



Pyrethrum, Double Hybrids



Candelabra Salpiglossis

Salvia

BONFIRE (Clara Bedman). A Salvia of very compact growth, vivid scarlet. Very popular. Pkt., 15 cts.; ¼ oz., 75 cts.

SPLENDENS. The old standard bright scarlet. Pkt., 10 cts.; ¼ oz., 60 cts.

EARLY DWARF ZURICH. Grows only 12 to 15 inches high, with fine, erect slender spikes to each plant, borne well above its foliage. Color brilliant scarlet; splendid bedding variety; earliest of all. Pkt., 25 cts.

PATENS. Bright blue flowers of large size; excellent for the border or greenhouse; height 2 ft. Pkt., 25 cts.

AZUREA GRANDIFLORA. A hardy perennial variety producing during August and September spikes of pretty skyblue flowers. 2 feet. Pkt., 25 cts.

FARINACEA. Light blue flowers in great abundance; good for cutting; forms a neat bush. 3 feet. Pkt., 25 cts.

Scabiosa

(Mourning Bride, Sweet Scabiosa, Pin-cushion Flower, etc.)

These are firm favorites with many of our customers. Seed can be sown any time in the spring after danger of frost is past. They grow about 2½ feet high and come into bloom early in July and continue without interruption until hard frost. The beautiful flowers in exquisite shades are borne on long stems, and when cut keep in perfect condition for the best part of a week. They make effective borders or beds, and no garden is complete without Scabiosas, especially where flowers are wanted for cutting.

LARGE-FLOWERING ANNUALS

AZURE FAIRY. Clear lavender blue. Pkt., 10 cts.; ¼ oz., 30 cts.

CRIMSON. Rich rosy crimson. Pkt., 10 cts.; ¼ oz., 30 cts.

FLESH PINK. Delicate tone of pink. Pkt., 10 cts.; ¼ oz., 30 cts.

KING OF THE BLACKS. Velvety black purple. Pkt., 10 cts.; ¼ oz., 30 cts.

ROSE. Soft rose color. Pkt., 10 cts.; ¼ oz., 30 cts.

WHITE. Pure white. Pkt., 10 cts.; ¼ oz., 30 cts.

Collection of a packet each of the 6 colors, 40 cts.

TALL DOUBLE MIXED. All colors of the improved large-flowering. Pkt., 10 cts.; ¼ oz., 30 cts.; oz., 70 cts.

HARDY PERENNIAL SCABIOSAS

CAUCASICA (Blue Bonnet). One of the handsomest of hardy perennials, especially valuable for cutting, the blooms lasting a long time in water; color soft lavender blue. 3 ft. Pkt., 25 cts.; 5 pkts., \$1.00.

JAPONICA. A variety from Japan, forming bushy plants, 2½ feet in height, and bearing on long, wiry stems beautiful, artistic lavender blue flowers; a fine cut flower. Pkt., 15 cts.; ¼ oz., 30 cts.



Johnson's Seeds that Produce

Schizanthus

(Butterfly or Fringe Flower)

H. A. Dainty, erect growing plants for the house or garden. Noted for its wonderful variety of coloring.

HYBRIDA GRANDIFLORA COMPACTA.

These are large-flowered with wonderfully beautiful color combinations in the same flower. 15 inches high. Pkt., 10 cts.; ¼ oz., 40 cts.

WISTONENSIS. Charming long and profusely blooming hybrids. Excellent for greenhouse culture. Pkt., 15 cts.; ¼ oz., 50 cts.

MIXED. Pkt., 10 cts.; ¼ oz., 25 cts.

Sedum

(Stonecrop)

Dwarf hardy perennials for the rock garden and for carpet bedding.

ACRE. Yellow. Height 6 in. Pkt., 25 cts.

ALBUM. White. Height 6 in. Pkt., 25 cts.

EWERSI. Rose. Height 6 in. Pkt., 25 cts.

MIDDENDORFFIANUM. Yellow with dark foliage. Height 6 in. Pkt., 25 cts.

PILOSUM. Rose. Height 6 in. Pkt., 25 cts.

SARMENTOSUM. Yellow. Height 6 in. Pkt., 25 cts.

SPECTABILE. Brilliant red. Height 12 in. Pkt., 25 cts.

STOLONIFERUM COCCINEUM. Scarlet. Height 6 in. Pkt., 25 cts.

FINEST MIXED. 4 in. Pkt., 15 cts.; oz., \$1.00.

Smilax

(Myrsiphyllum asparagoides)

G. P. Used extensively for inside decorations; climbing habit. 10 ft. Pkt., 10 cts.; ¼ oz., 25 cts.

Statice

(Sea Lavender)

H. P. Long panicles of small, light blue flowers, which if dried will make nice winter bouquets.

LATIFOLIA. Purplish blue. 2 ft. Pkt., 10 cts.; ¼ oz., 50 cts.

Stevia

G. P. The tiny white flowers are produced in long, loose panicles. Fine for cutting.

SERRATA. 2 ft. Pkt., 15 cts.; ½ oz., 50 cts.

Stocks

(Gilliflower)

CUT-AND-COME-AGAIN VARIETIES. Excellent for cutting; very fine for outdoor planting. Blood-red, rose, dark blue, Princess Alice (pure white), yellow and mixed. Pkt., 15 cts.; ½ oz., 75 cts.

LARGE-FLOWERING (Ten-weeks Stock). Particularly suited for pot culture, beds or edging. Habit is dwarf and bushy. 8 inches. 90 per cent double flowers. Rose, blood-red, purple, canary yellow, crimson, light blue, white and mixed. Pkt., 10 cts.; ½ oz., 50 cts.

Stokesia

(Cornflower Aster)

This popular hardy perennial bears all summer; large attractive flowers resembling semi-double asters; fine for cut flowers. 2 ft.

CYANEA. Lavender blue; handsome. Pkt., 10 cts.; ¼ oz., 50 cts.

CYANEA MIXED. Pkt., 10 cts.; ¼ oz., 50 cts.

ALBA. White. Pkt., 15 cts.; ½ oz., 75 cts.

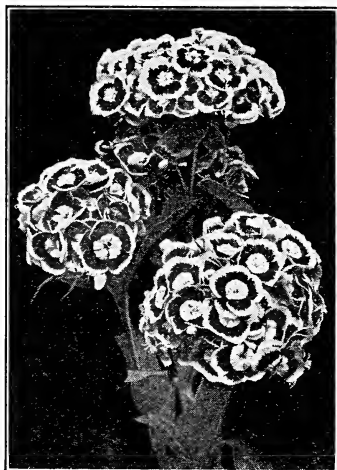
Sunflower

(Helianthus)

MINIATURE. Best mixed. Pkt., 10 cts.; ¼ oz., 30 cts.

MINIATURE RED. Pkt., 10 cts.; oz., 65 cts.

LARGE RUSSIAN. Tall mammoth-flowered. Pkt., 10 cts.; oz., 20 cts.



Sweet William, Auricula-eyed

Sweet William

(Dianthus Barbatus)

A well-known, attractive, free-flowering hardy perennial, producing a splendid effect in beds and borders with their rich and varied flowers. It is much better to raise new vigorous young plants from seed every season than to divide the old plants. 18 inches.

NEWPORT PINK. A distinct new color, which originated in one of the far-famed gardens at Newport, R. I. In color it is what florists call watermelon-pink or salmon-rose. Strikingly brilliant and beautiful; the flowers are borne in massive heads on stems 18 inches high. For mid-season mass bedding it has no equal. It is also very effective for cutting. Pkt., 15 cts.; ¼ oz., 50 cts.

SCARLET BEAUTY. A very effective, rich deep scarlet variety, a rare color in hardy plants. Pkt., 15 cts.; ¼ oz., 50 cts.

HOLBORN GLORY. This strain is a large-flowered selection of the auricula-eyed section, the most beautiful and admired of all Sweet Williams. The individual flowers and trusses are of extraordinary size, while the range of color, all showing a clear, white eye, in truly superb. Pkt., 10 cts.; ¼ oz., 40 cts.

SINGLE VELVETY DARK MAROON. Pkt., 10 cts.; ¼ oz., 30 cts.

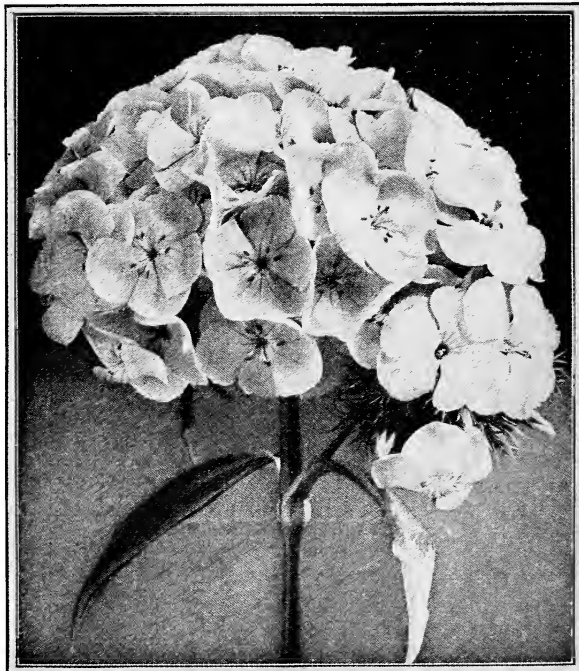
SINGLE PURE WHITE. Pkt., 10 cts.; ¼ oz., 30 cts.

SINGLE MIXED. All colors. Pkt., 10 cts.; ¼ oz., 25 cts.; oz., 75 cts.

DOUBLE MIXED. All colors. Pkt., 10 cts.; ¼ oz., 30 cts.

GIANT DOUBLE. A decided improvement. The plants are of robust, bushy habit, producing numerous stems, surmounted by immense umbels of full, double flowers, many of the individual flowers measuring over one inch in diameter. The colors are extremely varied. Pkt., 15 cts.; ¼ oz., 50 cts.

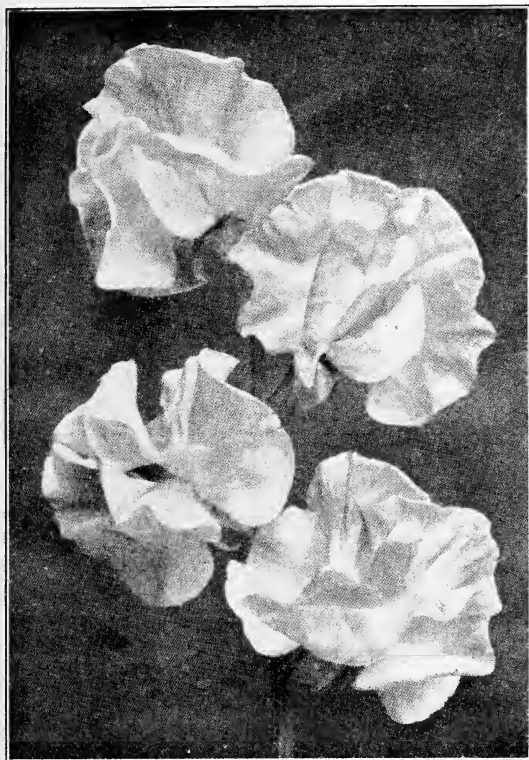
GIANT AURICULA-EYED. In a wide variety of colors with large eyes of clearly defined darker shades. Pkt., 10 cts.; ¼ oz., 50 cts.



Sweet William—Newport Pink



Johnson's Grand Spencer or Orchid-Flowered Sweet Peas



Hawlmarm Pink Sweet Peas

Cream or Primrose

DOBBIE'S CREAM. Clear, deep cream; perfect form. Pkt., 10 cts.; oz., 40 cts.

Cream-Pink

NEW MIRIAM BEAVER. One of the daintiest shades in Sweet Peas. Soft hydrangea-pink, tinted salmon. Pkt., 10 cts.; oz., 30 cts.; ¼ lb., \$1.00.

PICTURE. A recent English introduction. Salmon pink; large and of elegant form. Pkt., 10 cts.; oz., 25 cts.

NEW MARY PICKFORD. Beautiful light and dainty cream pink. Pkt., 15 cts.; oz., 40 cts.

MARGARET ATLEE. Rich, glowing pink on cream ground, suffused with salmon on standard and wings. Pkt., 10 cts.; oz., 30 cts.; ¼ lb., \$1.00.

Deep Pink

COUNTESS SPENCER. The original Spencer variety; lovely clear pink. Pkt., 10 cts.; oz., 20 cts.; ¼ lb., 65 cts.

HERCULES. Soft rose pink; extraordinary size and substance. An improvement on Countess Spencer. Pkt., 10 cts.; oz., 30 cts.; ¼ lb., \$1.00.

HAWLMARK PINK. A sensational novelty. Bright pink with suggestion of salmon. Extra large. Pkt., 10 cts.; oz., 30 cts.; ¼ lb., 75 cts.

Rose and Carmine

ROSABELLE. Deep rose with a white blotch at the base of standard and wings. Pkt., 10 cts.; oz., 30 cts.; ¼ lb., 80 cts.

GEORGE HERBERT. Magnificent rich rosy carmine self. Extra large. Pkt., 10 cts.; oz., 25 cts.; ¼ lb., 65 cts.

Salmon and Cerise

BARBARA. Rich salmon self, of finest form. Pkt., 10 cts.; oz., 30 cts.

ILLUMINATOR. Glowing cerise-salmon, suffused with orange. Pkt., 10 cts.; oz., 30 cts.; ¼ lb., 80 cts.

Sweet Peas

It has been only a few years since the first of the Spencer Sweet Peas was introduced to American gardeners, but they have in that short time so completely overshadowed the old-fashioned or grandiflora varieties that the latter are almost forgotten. The flowers of the Spencer or orchid-flowered type are of extraordinary size, with beautifully waved standards and widespreading wings, round and open, often measuring 2 inches or more across. A large percentage bear four of these immense blossoms to the stem, and the stems are long and strong, making them of exceptional value for cutting.

In exquisite form and range of elegant colors there are no flowers to compare with Sweet Peas. We offer the cream of the Spencer sorts that have been tested and found to be of true merit and distinct in color.

PAMPHLET ON SWEET PEA CULTURE FREE

Johnson's Grand Spencer Mixture

(Orchid Flowered)

A liberal planting of this mixture will furnish a most magnificent display of Spencer types. All shades of color. Gigantic Waved Spencer Type. Pkt., 10 cts.; oz., 20 cts.; ¼ lb., 65 cts.; lb., \$2.00.

White

KING WHITE. Pure, glistening white; gigantic in size and perfect in form. The best white to date. White-seeded. Pkt., 10 cts.; oz., 35 cts.; ¼ lb., \$1.10.

CONSTANCE HINTON. A mammoth black-seeded white; sometimes tinged with blush at the base of the petals. Pkt., 10 cts.; oz., 25 cts.; ¼ lb., 75 cts.

Blush-Pink

ELEGANCE. One of the newest. Flowers of immense size; dainty lilac pink on white ground. Pkt., 10 cts.; oz., 50 cts.

ELFRIDA-PEARSON. Lovely soft pink throughout; flowers of large size and exquisite form. Pkt., 10 cts.; oz., 25 cts.; ¼ lb., 75 cts.

Orange

TANGERINE, IMPROVED. This is the last word in orange Sweet Peas. Large, beautifully formed flowers. Pkt., 10 cts.; oz., 30 cts.

ROBERT SYDENHAM. Deep glowing orange. Pkt., 10 cts.; oz., 30 cts.

HELEN LEWIS. Orange rose wings; standard crimson orange. Pkt., 10 cts.; oz., 25 cts.; ¼ lb., 75 cts.

Orange-Scarlet

DEFIANCE. Pure flaming orange-scarlet. Pkt., 15 cts.; oz., 20 cts.; ¼ lb., 75 cts.

FIERY CROSS. Fire-red or rich orange-scarlet, without any shading. A famous variety; one of the brightest in existence. Pkt., 10 cts.; oz., 30 cts.; ¼ lb., \$1.00.

ROYAL SCOT. Pkt., 10 cts.; oz., 30 cts.

THE PRESIDENT. Brilliant orange-scarlet; largest size. Pkt., 10 cts.; oz., 30 cts.; ¼ lb., \$1.00.

Scarlet and Crimson

VERMILION BRILLIANT. Intense pure scarlet. Pkt., 10 cts.; oz., 25 cts.

KING EDWARD SPENCER. Bright crimson-scarlet; flowers of the largest size and finest form. Pkt., 10 cts.; oz., 30 cts.; ¼ lb., 75 cts.

CRIMSON KING. Rich deep crimson. Pkt., 10 cts.; oz., 30 cts.

DOBBIE'S SUNPROOF CRIMSON. A bright, lasting color; requires no shading from the sun. Pkt., 10 cts.; oz., 35 cts.; ¼ lb., \$1.10.

Lavender

HAWLMARK LAVENDER. New. Pure true lavender of immense size. Pkt., 20 cts.; oz., 60 cts.

R. F. FELTON. A very fine clear, deep lavender. Pkt., 10 cts.; oz., 30 cts.

AUSTIN FREDERICK IMPROVED. Giant lavender. Pkt., 10 cts.; oz., 25 cts.

ASTA OHN. Lavender with a mauve suffusion. Pkt., 10 cts.; oz., 25 cts.

All Flower Seeds Are Postpaid.



Johnson's Seeds that Produce

Spencer or Orchid-Flowered Sweet Peas—Continued

Fancy or Art Shades

IRISH BELLE. Pastel lilac, with a blush-pink suffusion. Pkt., 10 cts.; oz., 35 cts.

AFTERGLOW. A remarkable combination of pastel colors. Standard rosy amethyst; wings electric blue. Charming. Pkt., 10 cts.; oz., 30 cts.; ¼ lb., \$1.00.

BROCADE. An unusual but exceedingly attractive combination of lavender, rose and salmon-pink with satiny sheen. Pkt., 15 cts.; oz., 50 cts.

Bicolor

APPLE BLOSSOM. Standard cream, flushed pink; wings deep rose. Pkt., 10 cts.; oz., 25 cts.; ¼ lb., 75 cts.

MRS. CUTHBERTSON. Standard rose pink; wings blush white; very pretty for bunching. Pkt., 10 cts.; oz., 25 cts.; ¼ lb., 75 cts.

BLANCHE FERRY SPENCER. Standard bright carmine rose; wings pure white. An old favorite. Pkt., 10 cts.; oz., 25 cts.; ¼ lb., 75 cts.

Blue

MRS. TOM JONES. Bright delphinium blue. The newest and best light blue. Pkt., 10 cts.; oz., 30 cts.

WEDGWOOD. Lovely light blue, of exquisite form; free blooming. Pkt., 10 cts.; oz., 30 cts.

COMMANDER GODSALL. A new deep navy blue of immense size. Pkt., 10 cts.; oz., 35 cts.

Mauve and Purple

HELIO. Rosy lavender with a bronze suffusion. A striking novelty. Pkt., 10 cts.; 3 pkts., 25 cts.

ROYAL PURPLE. Rich rosy purple; flowers of immense size. Pkt., 10 cts.; oz., 25 cts.; ¼ lb., 75 cts.

Maroon

HAWLMARK MAROON. A strong grower with large flowers the color of polished mahogany. Pkt., 10 cts.; oz., 30 cts.

WARRIOR. Large reddish maroon, with a bronzy tint. Pkt., 10 cts.; oz., 30 cts.; ¼ lb., 75 cts.

Early or Winter-flowering Spencer Sweet Peas

A comparatively new development in Sweet Peas. The winter-flowering Spencers are now grown almost exclusively for winter bloom and are in great demand by florists. They are equally desirable, however, for outdoor planting as they come into bloom two to three weeks ahead of the standard Spencer varieties and, if kept cut, will continue to bloom nearly as long.

	Pkt.	½ Oz.	Oz.
SNOWFLAKE. Pure white; white seeded....	\$0.10	\$0.30	\$0.50
MRS. SPANOLIN. Black-seeded white.....	.10	.30	.50
SONGBIRD. Dainty blush pink.....	.10	.35	.60
SPRING MAID. Rose pink on cream.....	.10	.35	.60
MRS. A. A. SKAACH. Livly shell pink.....	.10	.30	.50
MELODY. Light rose pink.....	.10	.35	.60
ROSE QUEEN. Glorious deep rose.....	.10	.30	.50
ROSE CHARM. Bright carmine rose.....	.15	.30	.50
ZVOLANEK'S ROSE. Rich rose.....	.15	.60	1.00
MRS. KERR. The best rich salmon.....	.20	.60	1.00
MORNING STAR. Standard orange; wings rosy.....	.10	.30	.50
ILLUMINATION. Glowing salmon cerise...	.10	.30	.50
FIRE KING. Dazzling cerise-scarlet.....	.10	.30	.50
AVIATOR. The best crimson red.....	.10	.30	.50
LAVENDER KING. Clear, deep lavender...	.10	.30	.50
BLUE BIRD. The finest pure mid-blue...	.10	.30	.50
HEATHERBELL. Rich mauve; extra large...	.10	.30	.50
YARRAWA. Deep rose and cream.....	.10	.30	.50
COLUMBIA. The best "pink and white"...	.10	.30	.50
FINEST MIXED. Pkt., 10 cts.; oz., 40 cts.; ¼ lb., \$4.00.			

Tritoma

(Red Hot Poker Plant or Flame Flower)

H. P. Magnificent large spikes of orange red flowers, attaining a height of 4 feet; effective in single clumps or among shrubbery.

UVARIA GRANDIFLORA. Orange and scarlet. Pkt., 15 cts.

Thunbergia

H. A. Pretty trailing plants, mostly used for window boxes, vases and urns; foliage and flowers produce a striking effect.

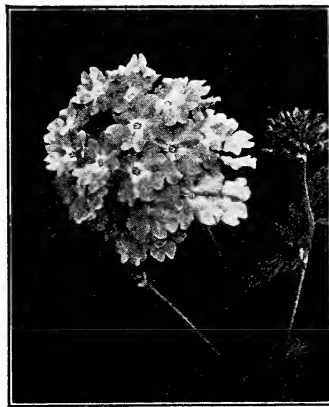
ALATA. Yellow, with dark eye. 5 ft. Pkt., 10 cts.; ¼ oz., 40 cts.

Valeriana

H. P. Fine border plants with long spikes of fragrant flowers; suitable for cutting.

FINEST MIXED. Pkt., 15 cts.; ¼ oz., 30 cts.

Johnson's Mammoth Verbenas



Verbena—Rose Queen

We have been carefully selecting and improving this fine strain of Verbenas for years, and can recommend it as the very best procurable. The trusses and individual flowers are of the largest size; of brilliant colors, free blooming and of vigorous habit. For best and quickest results, seed should be sown early in the house or hotbed, and transplanted to flowering quarters in May. If sown outdoors in May, it blooms from the end of July on. We offer the following colors:

VERBENA. Rose Queen. Beautiful satiny-pink. Pkt., 15 cts.

PINK. Various pink shades. Pkt., 10 cts.

PURPLE. Rich dark blues and purple. Pkt., 10 cts.

SCARLET. Uniform bright scarlet. Pkt., 10 cts.

WHITE. Purest white. Pkt., 10 cts.

BLUE. Light to medium blue shades. Pkt., 10 cts.

MAMMOTH DEFIANCE. Bright rich scarlet; small leaves. Pkt., 10 cts.

MAMMOTH BLUE VARIETIES. Showy and distinctive. Pkt., 10 cts.

LUTEA. Bright yellow. Pkt., 10 cts.

MAMMOTH MAYFLOWER. Beautiful pink. Pkt., 10 cts.

MAMMOTH STRIPED VARIETIES. Beautiful collection. Pkt., 10 cts.

LUCIFER. Deep cardinal scarlet. Very rich. Pkt., 15 cts.

MAMMOTH MIXED. Containing all the colors. Pkt., 10 cts.; ¼ oz., 50 cts.; oz., \$1.50.

Various Verbenas

LEMON VERBENA (Aloysia citrodora). Every garden should have a few plants of this fragrant favorite. Its pale green, delightfully scented foliage goes well with any flower. Pkt., 10 cts.

ERINOIDES (Moss Verbena). This lovely variety produces a mass of moss-like foliage, spreading over the ground like a carpet, above which are borne heads of purplish blue and white blossoms in lavish profusion; comes into flower in June, and continues until frost. For beds, baskets or rockeries. Pkt., 10 cts.

VENOSA (Hardy Garden Verbena). Strong plants, 1 foot high, bear purple flowers continuously through the summer. Pkt., 10 cts.

Veronica

(Speedwell)

H. P. Long spikes of brilliant blue flowers, excellent for growing in shady places and requiring plenty of moisture.

LONGIFOLIA. Rich blue. 3 ft. Pkt., 15 cts.; ½ oz., 40 cts.

SPICATA. Light violet blue. 3 ft. Pkt., 15 cts.; ½ oz., 35 cts.

Vinca

(Periwinkle)

H. A. Of easy cultivation, growing very readily from seed and flowering same season. Plants have dark green foliage and the pink or white single flowers make fine pot plants.

FINEST MIXED. 1 ft. Pkt., 10 cts.; ¼ oz., 40 cts.

Johnson's Seeds that Produce



ZINNIAS

DOUBLE DAHLIA-FLOWERED—SEE PAGE 9

Johnson's Giant Double Zinnias

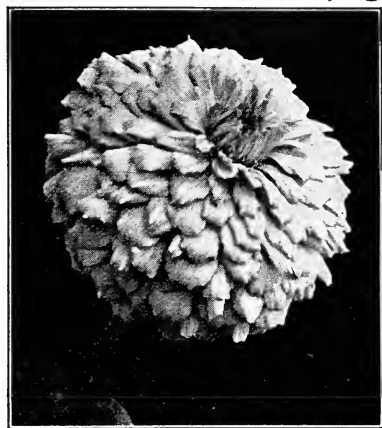
Our special strain of this grand old free and continuous flowering annual produces flowers of colossal size, specimens measuring from 5 to 6 inches across being not unusual. Plants attaining a height of 3 feet and bearing on long stems numerous semi-globular mostly very double flowers all of the largest size.

Giant Golden Yellow
Giant Scarlet
Giant Burnt Orange
Giant Salmon
Giant Flesh

Giant Sulphur Yellow
Giant White
Giant Violet
Giant Purple
Giant Crimson

Prices of above Zinnias: Pkt., 15 cts.; $\frac{1}{4}$ oz., 50 cts.; oz., \$1.50.

Collection of a packet of each of the above 10 colors for \$1.10.
One packet each of 5 varieties, your selection, for 60 cts.



ZINNIA
Large Flowering Dwarf Double

JOHNSON'S DOUBLE GIANT—PRIZE MIXTURE. Our mixture of Mammoth-flowering Zinnias contains all the colors and shades known in this popular flower. We have improved this grand mixture from year to year until now we say, conclusively, it can not be surpassed. Pkt., 10 cts.; $\frac{1}{4}$ oz., 30 cts.; oz., 65 cts.

Curled or Crested Zinnias

A fine strain with large, double flowers of perfect form; petals twisted, curled and crested into fantastic and graceful forms. Pkt., 10 cts.; $\frac{1}{4}$ oz., 35 cts.



Johnson's Large-flowering Dwarf Double Zinnias

This we consider the best Zinnia for bedding, forming bushy, compact plants not over 2 feet high, and bearing large perfect double flowers in good clear distinct colors. **Canary.** Clear yellow. **Salmon Rose.** The most popular color of all. **Flesh Pink.** Delicate shade. **Orange.** Rich golden orange. **White.** Pure white. **Scarlet.** Very rich. Price, any of the above, pkt., 10 cts.; $\frac{1}{4}$ oz., 30 cts. Collection of a packet each of the above 6 sorts, 40 cts.

JOHNSON'S LARGE FLOWERING DWARF PRIZE MIXTURE

This is the finest mixture of large flowering dwarf Zinnias we know of. Pkt., 10 cts.; $\frac{1}{4}$ oz., 25 cts.; oz., 75 cts.

Double Lilliput or Pompon Zinnias

A very pretty type of compact habit not over 15 inches high, bearing small densely double flowers on long stems, held well above the foliage.

	Pkt.		Pkt.
Canary Yellow.....	\$0.10	Scarlet	\$0.10
Golden Orange.....	.10	White .....	.10
Salmon Rose.....	.10		

Collection of a packet each of the 5 colors, 40 cts.

Double Pompon Zinnias

ALL COLORS MIXED. These Zinnias grow 2 feet high and are sturdy and bushy. They are also sometimes called "Lilliput" on account of their beautiful little flowers, which are very double and cone-shaped. Pkt., 10 cts.; $\frac{1}{4}$ oz., 30 cts.

Wallflower

Long spikes, closely set with sweet-scented flowers which range in color from yellow to brown, some tinged with red and purple. They bloom in early spring from seed sown the previous summer and are best treated as biennials since they often flower so profusely the second season as to exhaust themselves. The Wallflowers thrive best in cool, moist locations.

PARIS EXTRA Early. A beautiful single variety which may be treated as an annual, flowering through the summer from seed sown in spring. Pkt., 10 cts.; $\frac{1}{4}$ oz., 25 cts.

GOLIATH. A splendid single variety; flowers of a rich, shining red with a black velvety sheen. Pkt., 10 cts.

SINGLE MIXED. All colors. Pkt., 10 cts.; $\frac{1}{4}$ oz., 20 cts.; oz., 60 cts.

DOUBLE-FLOWERING FINEST MIXED. Pkt., 15 cts.; 2 pkts., 25 cts.

Water Lily Seeds

NYMPHAEA TENDER VARIETIES MIXED. Pkt., 25 cts.

NELUMBIUM MIXED SORTS. Pkt., 25 cts.

Johnson's
Double-
Flowering
Finest Mixed
Wallflower



Johnson's Seeds that Produce

ROSES—The Best Field-Grown Roses for Your Garden

We offer a very select list of Dormant Rose Bushes for outdoor planting in Hybrid Tea, Hybrid Perpetual and Hardy Climbing types. The following varieties, each listed in its class, we can especially recommend for either spring or fall planting.

Cultural Directions

When the rose beds are prepared, be sure they have good drainage, and that the soil is rich and sweet. Water well after planting. Prune them well; if you do not know how, ask us; we will be glad to tell you the right way. Keep them clean from insects. Bush roses can be set 1½ feet apart, climbing varieties from 4 to 6 feet apart, and standard Roses 3 or more feet apart. Cultivate freely throughout the summer and apply a light top dressing of bone-meal or sheep manure at least once a month throughout the growing season. Just before the ground freezes, in late November, draw the soil up against the plant in the same manner as you would hill up potatoes, and in December, when the ground is thoroughly frozen, cover with leaves or straw.

We offer good healthy 2-year-old stock, which will give an abundance of bloom the following summer if planted in the fall.

Prices: each, 75 cts.; 6 for \$5.00; per doz., \$8.00; 25 for \$15.00; 100 for \$52.00, except where noted.

Hybrid Tea Roses

ALEXANDER HILL GRAY. Long-pointed bud of lemon yellow, shading darker at maturity.

COLUMBIA. Bright lively pink, shading darker at maturity; very fragrant.

CRUSADER. Rich velvety crimson.

DUCHESS OF WELLINGTON. Intense saffron yellow, changing to deep coppery yellow as they expand; delightfully fragrant.

KAISERIN AUGUSTA VICTORIA. A soft pearly white faintly tinted lemon in the center; fragrant.

KILLARNEY. Large, long-pointed buds, opening to large loose blooms of beautiful flesh color; borne on long stems.

LADY HILLINGDON. Clear apricot yellow.

LOS ANGELES. A luminous flame pink, toned with coral and shaded with gold at the base of the petals. Should be protected during the winter. Each, \$1.50; per doz., \$15.00.

MME. BUTTERFLY. Brilliant pink, suffused apricot and gold. Each, \$1.50; per doz., \$15.00.

OPHELIA. Delicate tint of salmon flesh, shaded rose.

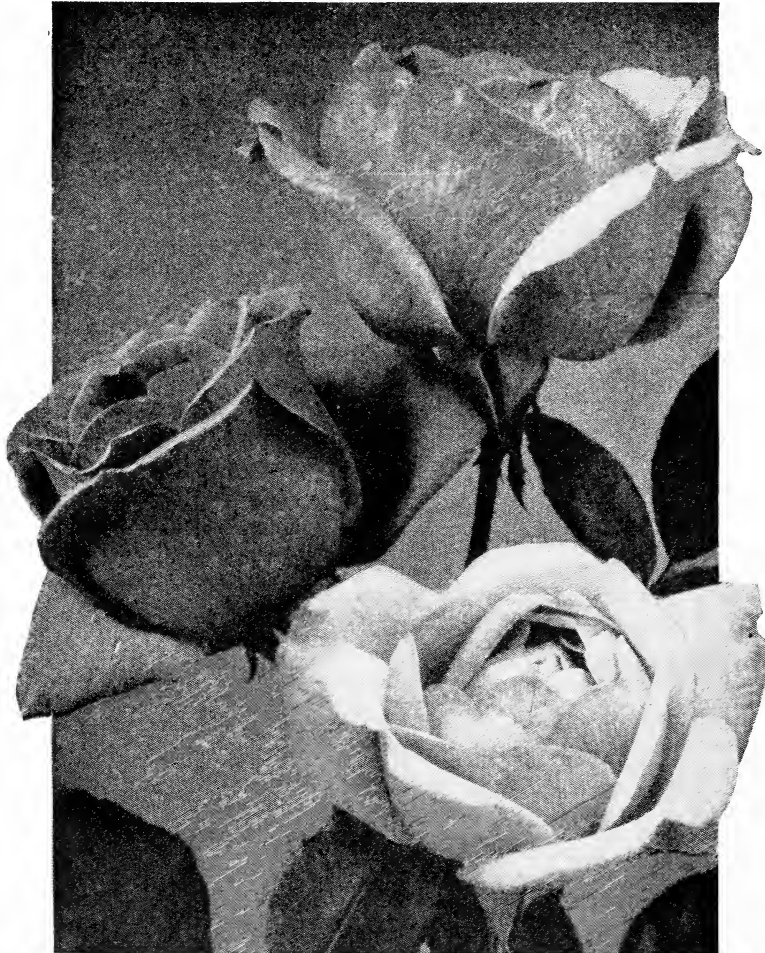
RADIANCE PINK.

RADIANCE RED.

SUNBURST. Intense orange copper and golden yellow buds, long and pointed; very brilliant in effect. Each, \$1.25; per doz., \$12.50.

WILLOWMERE. Coral red, opening to a large, rich shrimp pink, shaded yellow in the center and flushed carmine pink toward the edges of the petals. Each, \$1.50; per doz., \$15.00.

FUNGTOGEN. A most effective and scientific preventative and remedy for mildew, black spot and other fungoid diseases of roses. Will not discolor the foliage. ½ pt., 75 cts.; pt., \$1.25; qt., \$2.00; ½ gal., \$3.50; gal., \$6.00.



The Three Radiance Roses—Radiance (at top), Red Radiance (center, left), and Columbia (lower right), represent a distinct and dependable type of American-bred Hybrid Teas.

Hybrid Perpetual Roses

FRAU KARL DRUSCHKI. Pure white in color, perfect in form, strong grower and remarkably free flowering.

PAUL NEYRON. Perhaps the largest of all; dark rose in color.

SOLEIL D'OR (Golden Sun). Color varies from orange yellow to reddish gold, shaded with nasturtium red. Conical-shaped buds opening to large, full, flat-shaped flowers.

Any of the above field-grown plants 75 cts. each, \$8.00 per doz., \$52.00 per 100.

Hardy Climbing Roses

Two-year dormant plants, each, 75 cts.; 6 for \$4.00; per doz., \$7.00.

CLIMBING AMERICAN BEAUTY. Large, fragrant flowers of rich carmine.

DOROTHY PERKINS. Countless clusters of double pink flowers.

DR. W. VAN FLEET. Long pointed deep pink buds.

EXCELSA (Red Dorothy Perkins). Brilliant scarlet crimson.

PAUL'S SCARLET CLIMBER. A brilliant, vivid scarlet.



Johnson's Hardy Perennial Plants

The size mentioned in the description indicates the approximate height that the plant may be expected to attain at maturity. The months represent the season of bloom.

Prices of Perennials, except where otherwise noted, 15 cts. each; \$1.50 per doz.; \$10.50 per 100.

Achillea Ptarmica (The Pearl)

Small double white flowers in open heads, blooming profusely all summer. 2 feet. 25 cts. each; \$2.50 per doz.

Alyssum Saxatile compactum

(Basket of Gold, Gold Tuft, Rockmadwort)
For the rockery or border; 1 foot high; bright yellow flowers. 25 cts. each; \$2.50 per doz.; \$18.00 per 100.

Anchusa (Dropmore)

Beautiful rich blue. 5 to 6 feet. 35 cts. each; \$3.50 per doz.

Aquilegia

LONG-SPURRED VARIETIES. A selected strain of immense flowers in all the brilliant shades. 30 cts. each; \$2.50 per doz.

Hardy Asters (Michaelmas Daisies)

They flower at a time when few hardy plants are in bloom. 25 cts. each; \$2.50 per doz.; \$18.00 per 100.

Bleeding Heart (Dicentra Spectabilis)

(Seal Flower)
50 cts. each; \$5.00 per doz.

Boltonia Latisquama

Very showy pink flowers, fine for cutting. August and September. 4 to 5 feet. 25 cts. each; \$2.50 per doz.

Campanula (Bluebells)

MEDIA (Canterbury Bells). Separate colors, blue, pink, white and mixed. 25 cts. each; \$2.50 per doz.

MEDIA CALYCANTHEMA (Giant Cup and Saucer Canterbury Bells). Separate colors, blue, pink, white and mixed. 25 cts. each; \$2.50 per doz.; \$18.00 per 100.

Chrysanthemums

LARGE-FLOWERED OR SHAGGY VARIETIES. All standard varieties and colors. 20 cts. each; \$2.00 per doz.; \$12.00 per 100.

SMALL-FLOWERED OR BUTTON VARIETIES. 20 cts. each; \$2.00 per doz.; \$12.00 per 100.

Coreopsis Lanceolata Grandiflora

Large, showy, bright yellow flowers. June till frost. 25 cts. each; \$2.50 per doz.

Hardy Daisy (Bellis Perennis)

(English Daisy)
Large double-flowering pink and white. 50 cts. per basket.

Delphiniums (Hardy Larkspur)

BELLADONNA. The freest and most continuous blooming of all. The clear turquoise blue of its flowers is unequalled for delicacy and beauty. 25 cts. each; \$2.50 per doz.; \$18.00 per 100.

FORMOSUM. Best dark blue. 25 cts. each; \$2.50 per doz.; \$18.00 per 100.

Digitalis (Foxglove)

Old-fashioned hardy biennial plants with broad foliage and showy flowers, borne on spikes. June and July. 25 cts. each; \$2.50 per doz.

Funkia

UNDULATA VARIEGATA (Plantain Lily). Green leaves margined and edged white. 30 cts. each; \$2.75 per doz.

SUBCORDATA GRANDIFLORA. Large white flowers, borne in heads. Foliage green, pointed; sweet scented. 18 inches. Aug. and Sept. 40 cts. each; \$3.75 per doz.

Gaillardia Grandiflora

Color ranging from red to yellow, dark maroon center. 3 feet. June to frost. 25 cts. each; \$2.50 per doz.

Geum (Avens)

MRS. BRADSHAW. Large double flowers of the brightest scarlet color. 30 cts. each; \$2.50 per doz.

Gypsophila Paniculata

(Baby's Breath)
Minute white flowers. 25 cts. each; \$2.50 per doz.

Helianthus Giganteus

(Hardy Sunflowers)

Medium sized bright canary-yellow flowers in September and October. 6 feet. 25 cts. each; \$2.50 per doz.

Hemerocallis

FLAVA (Lemon Day Lily). Fragrant yellow flowers in June. 2 feet high. 25 cts. each; \$2.50 per doz.

FULVA (Orange Day Lily). 25 cts. each; \$2.50 per doz.

Hibiscus

CRIMSON EYE. Large white flowers with a crimson purple eye. August and September. 6 to 7 feet. 50 cts. each; \$5.50 per doz. Extra large plants.

MILITARIS. Large, light pink flowers, crimson center. July to September. 5 to 6 feet. 50 cts. each; \$5.50 per doz. Extra large plants.

Hollyhocks

Single or double. Flowers form rosettes of lovely shades of yellow, crimson, rose, pink, orange and white. 30 cts. each; \$3.00 per doz.

Iberis Sempervirens

(Hardy Candytuft)

Pure white flowers. 8 to 10 inches. 25 cts. each; \$2.50 per doz.

Lily of the Valley

For outdoor planting in shaded places. Pure white flower bells appear on stems about 8 to 10 inches long in the latter part of May. 25 cts. per doz.; \$2.00 per 100.

Linum Perenne (Flax)

A desirable plant for the border or rockery, growing 2 feet high, with light, graceful foliage and large blue flowers all summer. 25 cts. each; \$2.50 per doz.; \$15.00 per 100.

Lupinus (Lupines)

These flower in May and June; are 3 to 4 feet high. In dry weather water liberally to prolong the bloom.

POLYPHYLLUS. Blue, white and pink. 35 cts. each; \$3.50 per doz.

Lychnis (Campion)

Lychnis are of the easiest culture, thriving in any soil.

Monarda Didyma

(See Balm). Bright scarlet flowers in terminal heads. July to September. 2 to 3 feet. 25 cts. each; \$2.50 per doz.

Myosotis Alpestris

(Alpine Forget-Me-Not)

Splendid for beds, borders and rockeries. 20 cts. each; \$2.00 per doz.

Ornamental Grasses

We carry a full line of all varieties. Prices on application.

Pentstemon (Beard Tongue)

Most desirable perennials for either border or rockery. BARBATUS TORREYI. Spikes of brilliant scarlet; height 2 to 5 feet; June to August. 30 cts. each; \$3.00 per doz.

Phlox Subulata

(Moss or Mountain Pink)

An early spring-flowering type. An excellent plant for the rockery or the border and invaluable for carpeting the ground or covering graves.

ALBA. Pure white. Each 25 cts.; \$2.50 per doz.

LILACINA. Light lilac. Each 25 cts.; \$2.50 per doz.

ROSEA. Bright rose. Each 25 cts.; \$2.50 per doz.

Hardy Phlox

PANICULATA. We can furnish all colors and varieties. 25 cts. each; \$2.50 per doz.

Physostegia (False Dragon Head)

Forming dense bushes 3 to 4 feet high. VIRGINICA. Bright, but soft pink. Each 25 cts.; \$2.50 per doz.

ALBA. Pure white. Each 25 cts.; \$2.50 per doz.

Hardy Garden Pinks (Double)

ELSIE. Bright rose and maroon center.

ESSEX WITCH. Delicate pink, finely fringed.

WHITE RESERVE. Very double and pure white.

Prices, 25 cts. each; \$2.50 per doz.; \$15.00 per 100.



Johnson's Seeds that Produce

Johnson's Hardy Perennial Plants—Continued

Six plants of a variety at dozen rate; 25 at 100 rate.

Prices of Perennials, except where otherwise noted, 15 cts. each; \$1.50 per doz.; \$10.50 per 100.

Platycodon

(Balloon Flower or Japanese Bellflower)

Flowers from June to October.

GRANDIFLORUM. Deep blue-cupped, star-shaped flowers.

1½ feet. 25 cts. each; \$2.50 per doz.

ALBUM. A white-flowered form of the above. 25 cts. each; \$2.50 per doz.

Poppy

ORIENTAL. Beautiful showy scarlet. 25 cts. each; \$2.50 per doz.

Pyrethrum

ULIGINOSUM (Giant Daisy). Grows 3 to 4 feet high with large white daisy-like flowers, 3 inches in diameter, from July to September. 25 cts. each; \$2.50 per doz.; \$15.00 per 100.

Rudbeckia (Golden Glow)

Flowers beautiful golden yellow and very double. June till fall. 6 to 8 feet. Each 25 cts.; \$2.50 per doz.

Scabiosa

The flowers are gigantic, measuring frequently 3 inches and more in diameter. Average height, 2½ feet. Very free flowering.

CAUCASICA (Blue Bonnet). A delicate shade of lavender blue starting in flower in June and lasting well through the summer. 50 cts. each; \$5.00 per doz.

CAUCASICA ALBA. White. Like the above except in color. 50 cts. each; \$5.00 per doz.

Sedum

SPECTABILE. Handsome rose-colored flowers in immense heads during late fall. 18 inches. 20 cts. each; \$2.50 per doz.; \$16.00 per 100.

Shasta Daisy (Alaska)

Large, snowy-white flowers 4 inches across. 25 cts. each; \$2.50 per doz.

Stokesia (Laevis)

CYANEA. (Cornflower Aster). Large deep blue flowers from August to October. 25 cts. each; \$2.50 per doz.

CYANEA ALBA. Same as above only pure white. 25 cts. each; \$2.50 per doz.

Sweet William (Dianthus Barbatus)

NEWPORT PINK. Rich salmony rose. 20 cts. each; \$2.00 per doz.

BRIGHT SCARLET. Effective color. 20 cts. each; \$2.00 per doz.

PURE WHITE. Very large. 20 cts. each; \$2.00 per doz.

MIXED. Containing all colors. 20 cts. each; \$2.00 per doz.

Tritoma

PFITZERI (Red Hot Poker, Flame Flower or Torch Lily). Color a rich brilliant orange; medium height. Summer till fall. 35 cts. each; \$3.50 per doz.

Veronica (Speedwell)

The Speedwells are mostly natives of New Zealand, flowers being of a blue shade, varying to rose and dull white. 1 foot. July to August. 25 cts. each; \$2.50 per doz.; \$18.00 per 100.

Yucca (Adams Needle)

The tall flower spikes rise 4 to 5 feet, with cream-white bell-shaped drooping flowers in July and August.

FILAMENTOSA. White with reflexed flower bells. Extra strong plants. 30 cts. each; \$2.50 per doz.; \$20.00 per 100.

Hardy Water Lilies—Nymphaea

ODORATA. The fragrant Pond Lily of the northeastern United State; flowers white, 3 to 5 inches in diameter, stamens yellow; leaves dark green above, under surface deep red to reddish green; splendidly adapted for planting in quantity in natural ponds. Each, \$1.00; doz., \$9.50.

MARLIACEA OHRMACTELLA. Petals and stamens bright yellow, 4 to 6 inches across. A very strong, free and continuous bloomer. Each, \$2.50.

TUBEROSA ROSEA. Flowers an exquisite shade of pink. A vigorous grower, of the easiest culture. Each, \$1.50.

Hardy Perennial Vines

	Each	Doz.
BOSTON IVY	\$1.00	\$10.00
CLEMATIS PANICULATA. White.	.50	4.50
CLEMATIS JACKMANI. Purple.	1.00	...
DUTCHMAN'S PIPE	1.00	...
HONEYSUCKLE.	.40	4.00
MYRTLE	.30	3.00
PACHYSANDRA	.35	3.00
POLYGONUM	1.50	13.50
WISTARIA	.75	7.00

HERBACEOUS PEONIES

Insectrogen
KILLS MOST INJURING INSECTS

See page 71

Plant in good deep rich soil so that the crown of the plant is about 2 inches below surface. Mailing weight, 16 ounces each root.

ALBATRE. Large, compact, globular rose type. Petals edged milk-white with the fine line of lilac. Strong grower and free bloomer. 75 cts. each; \$7.00 per doz.

DORCHESTER. Large, compact rose type; pale pink; fragrant. Free bloomer. Dwarf. 50 cts. each; \$5.00 per doz.

DUCHESSE DE NEMOURS. Medium size. Sulphur-white. Free bloomer and strong grower. 50 cts. each; \$5.00 per doz.

EDULIS SUPERBA. Deep rose pink with lighter shadings. The earliest variety in our collection. 50 cts. each; \$5.00 per doz.

EUGENIE VERDIER. Pale hydrangea pink flecked with crimson. \$1.00 each; \$9.00 per doz.

FELIX CROUSSE. Large; globular, brilliant red. Free bloomer. One of the best red Peonies. 75 cts. each; \$7.00 per doz.

FESTIVA MAXIMA. Very large; white. Vigorous grower. One of the best whites. 50 cts. each; \$5.00 per doz.

GOLDEN HARVEST. Peach blossom pink with creamy white center. \$1.00 each; \$10.00 per doz.

JEANNE D'ARC. A choice variety notable for the exquisite perfume and other cutting qualities. Guards pale lilac pink, with full tufted center of sulphur white. \$1.00 each; \$7.50 per doz.

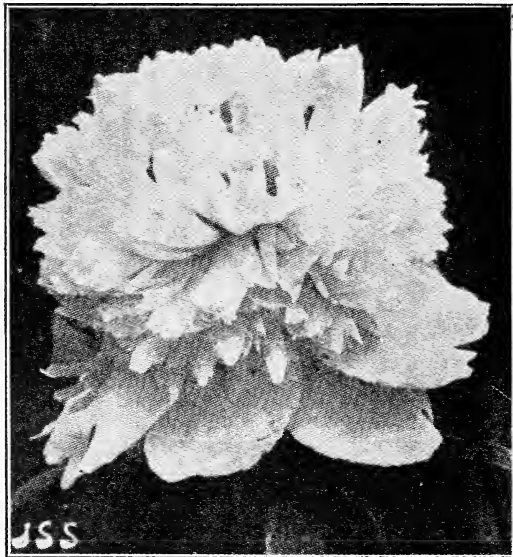
LA TULIPE. Very large globular flesh pink, shading to ivory white; center petals tipped carmine. \$1.00 each; \$10.00 per doz.

MME. DE VERNEVILLE. Broad sulphur white guard petals and compact white center; touched carmine. \$1.00 each; \$10.00 per doz.

MME. DUCEL. A very perfectly formed globular flower of a bright silvery pink, with salmon shadings and silvery reflex. \$1.00 each; \$10.00 per doz.

Mlle. LEONIE CALOT. Delicate rose with lilac pink center. Good grower. Medium tall. 75 cts. each; \$7.50 per doz.

RICHARDSON'S RUBRA SUPERBA. Deep carmine or crimson. Fragrant. Good grower. Very late. 75 cts. each; \$7.00 per doz.



Peony—Dorchester



Hardy Ornamental Shrubs For Spring Planting

Almond—Double Flowering

See PRUNUS.

Althea, Hibiscus Syriacus

(Rose of Sharon)

ADMIRAL DEWEY. Double, pure white.

DUC DE BRABANT. Double red.

PAEONAEFLORA. Double, clear pink.

VARIEGATA. Variegated leaved; a dwarf variety with leaves margined silvery-white.

Prices of above four varieties:	Each	Doz.
2 feet	\$0.75	\$ 6.00
3 feet	1.00	10.00
4 feet	1.25	12.50

Buddleia

(Summer Lilac or Butterfly Bush)

VARIABILIS VEITCHIANA. 2 year, 75 cts. each.

Deutzia

SCABRA WATERERI. Beautiful single pink. Flowers in June.

GRACILIS. Slender, often arching branches. Low, dense, globular habit; flowers pure white in racemes.

LEMOINEI. A vigorous grower and excellent for forcing; early bloomer; panicles of pure white flowers. Blooms in May and June.

Prices of above varieties:	Each	Doz.
2 to 3 feet	\$0.90	\$8.50
1 to 1½ feet .....	.60	6.00

Dogwood

(Cornus)

CORNUS ALBA SIBIRICA (Siberian Dogwood). A strong growing variety, crimson colored branches in winter. 90 cts. each.

FLORIDA (White-flowering Dogwood). White flowers in spring and rich crimson foliage in autumn. Plants, 4 to 5 feet high, \$1.25 each.

RUBRA (Red-flowering Dogwood). Flowers rich rosy red. Plants, 2 to 3 feet high. \$1.50 each.

SANGUINEA (Red-twigged Dogwood). Crimson colored branches; especially attractive in winter. 80 cts. each.

Crab

(Bechtel Double Flowering)

Shapely, compact tree with clusters of double, soft pink, fragrant flowers. 4 to 5 ft., extra fine, \$2.00; 5 to 6 ft., \$3.50 to \$5.00; 6 to 7 ft., \$6.00 to \$8.00; 7 to 8 ft., \$8.00 to \$10.00.

Euonymus

(Strawberry or Burning Bush)

ALATUS (Winged Burning Bush). 2 to 3 ft., extra bushy, \$1.75; balled and burlapped, 5 to 6 ft., \$5.00 to \$7.00; 6 to 8 ft., \$8.00 to \$10.00.

Forsythia

SUSPENSА (Weeping Golden Bell). Long, graceful branches drooping to the ground with handsome yellow trumpet-shaped flowers in April.

SUSPENSА FORTUNEI (Golden Bell). Before any tree or shrub shows a leaf they burst into glorious masses of golden yellow, drooping flowers.

Prices of above varieties:	Each	Doz.
2 to 3 feet	\$0.75	\$7.50

Halesia

HALESIA TETRAPTERA (Silver Bell or Snowdrop Tree). One of the most desirable tall shrubs, with pretty bell-shaped snowdrop-like white flowers in May. \$1.25 each.

Hydrangea

PANICULATA. Larger growing bush than the well known Grandiflora, and blooms a month later; buds do not all open. Height, 12 feet. 2-ft. plants, 90 cts. each; \$9.00 per doz.

PANICULATA GRANDIFLORA. The well known hardy Hydrangea. Pure white when opening, but later of a purplish-pink. \$1.00 each; \$10.00 per doz.

Japanese Quince

(Cydonia Japonica)

A shrub with spreading spiny branches. Glossy leaves; flowers deep scarlet, in clusters. Quince-shaped, golden yellow fruit. 3 feet. \$1.50 each.

Lilacs

(Common Varieties)

PURPLE, WHITE, PERSIAN, WHITE PERSIAN. 2 feet. 75 cts. each; \$6.50 per doz.

VILOSA (S. Villosa). Color light pink. Valuable for late blooming. 2 feet. 75 cts. each; \$6.50 per doz.

Lonicera

(Bush Honeysuckle)

MORROWI (Japanese Bush Honeysuckle). 2 to 3 ft., 75 cts.; 4 to 5 ft., specimens, \$1.25.

Prunus

PRUNUS JAPONICA FL. PL. (Double-flowering Almond).

Dwarf shrub, producing showy double flowers early in May. We can supply both white and pink. Plants, 2 to 3 feet high, \$1.00 each.

PISSARDI (Purple-leaved Plum). A dwarf shrub, covered with single white flowers in spring; leaves are a lustrous crimson, changing to a rich purple. Plants, 3 to 4 feet high, \$1.00 each.

Sambucus

(Elder)

SAMBUCUS NIGRA AUREA (Golden Elder). One of the best yellow foliage shrubs; color is remarkably bright. 75 cts. each.

Spirea

ANTHONY WATERER. Flowers scarlet crimson, blooming profusely from June to October. Strong plants. 2 feet. 1 ft., 75 cts. each; \$6.50 per doz. 1½ ft., \$1.00 each; \$9.00 per doz.

BRIDAL WREATH (S. Prunifolia). Flowers double, white and very abundant. May. 4 feet. 2 ft., 75 cts. each; \$7.50 per doz.

ST. PETER'S WREATH (S. Van Houttei). It forms a round and graceful bush, with arching branches, which in June have beautiful white blossoms. 2 ft., 60 cts. each; \$6.50 per doz. 3 ft., 75 cts. each; \$7.50 per doz.

Symphoricarpos

(The Coralberry, Indian Currant and Snowberry)

RACEMOSUS (Snowberry). 2 to 3 ft., 75 cts.

VULGARIS (Coralberry or Indian Currant). 2 to 3 ft., 35 cts.; 3 to 4 ft., bushy, \$1.00.

Syringa

(Philadelphus)

GOLDEN (P. Coronarius Polius Aureis). A graceful variety, with bright yellow foliage. Height, 5 feet. 1½ ft., \$1.25 each; \$12.00 per doz.

MOCK ORANGE (P. Coronarius). Shrub with upright branches; pure white, fragrant flowers are produced in clusters in June; foliage dark green. 6 feet. 3 ft., 75 cts. each; \$7.50 per doz.

LARGE-FLOWERED MOCK ORANGE (P. Grandiflora). A vigorous, upright variety, with large showy flowers in June; it grows rapidly. Height 12 feet. 3 ft., 75 cts. each; \$7.50 per doz.

Tamarix

TAMARIX HISPIDA AESTIVALIS. Delicate soft pink flowers in July and August. 75 cts. each.

INDICA. Very strong-growing, with feathery plumes of pale pink flowers in late summer and autumn. 75 cts. each.

Viburnum

(Snowball)

EUROPEAN HIGH BUSH CRANBERRY (V. Opulus). Red berries resembling cranberries remain until early winter. Height, 12 feet. 2 ft., 75 cts.; 3 ft., \$1.00; 4 ft., \$1.25 each.

Weigela

CANDIDA. Flowers pure white. Height, 8 feet. 3 ft., \$1.00 each; \$10.00 per doz.

ROSEA. Pink flowers in June. Height, 6 feet. 2 ft., 85 cts. each; \$8.50 per doz.

Hedge Plants

PRIVET, California (Ovalifolium). Plant 10 to 15 inches apart in double rows, alternating the plants. 18 to 24 inches high, 2-yr. plants, \$6.50 per 100; \$60.00 per 1000.

BARBERRY, Berberis Thunbergii. Of low, dense growth. Requires but little pruning. Leaves bright green. The branches in the fall are covered with bright red berries. Plant 8 to 12 inches apart in single rows. 12 to 18 inches high, heavy, 55 cts. each; \$5.50 per doz.; \$42.00 per 100. 18 to 24 inches high, heavy, 95 cts. each; \$7.50 per doz.; \$55.00 per 100.



Johnson's Seeds that Produce

JOHNSON'S SUPERB NAMED GLADIOLI

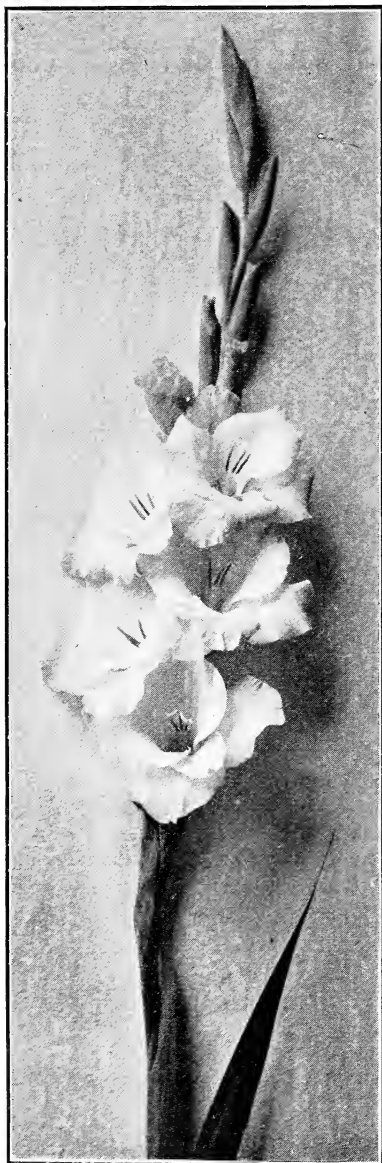
This is one of the best of the summer-flowering bulbs. It is a flower anyone can grow, and is lovely enough to satisfy the most exacting. There is no limit to the range of color—pink, scarlet, crimson, yellow, white and a host of other colors. Nothing is finer for vases than a bunch of Gladioli. The flowers will last for days, and the buds develop into blossoms after being cut.

GLADIOLUS CULTURE. Free on request with any order.

JOHNSON'S BLUE RIBBON MIXTURE

Wonderful colorings are to be found in this assortment of varieties made up from the choice named sorts we list. We believe the mixture is unexcelled. All are of the best blooming size and are first quality bulbs in every respect. We cannot recommend it too highly. Doz., 45 cts.; 100, \$3.50; 1,000, \$30.00.

WE OFFER ONLY FIRST SIZE BULBS EIGHT RARE GLADIOLI OF MERIT



Souvenir

BEGONIA ROSE. This is one of the largest and tallest varieties of any recent introduction. Six to eight flowers always open. Each, 16 cts.; doz., \$1.50; 100, \$12.00.

CAPTAIN BOYNTON. A newer prize-winning lavender. Each, 12 cts.; doz., \$1.00; 100, \$7.00.

CRIMSON GLOW. The best clear red. Each, 10 cts.; doz., 90 cts.; 100, \$6.00.

ELIZABETH TABOR. Very early with large spikes of flushed pink with a very dark velvety blotch on lower petals. Each, 12 cts.; doz., \$1.00; 100, \$7.00.

GIANT NYMPH. One of the newer large clear pinks. Each, 12 cts.; doz., \$1.00; 100, \$7.00.

MING TOY. A gorgeous buff apricot. Each, 12 cts.; doz., \$1.25; 100, \$8.00.

SOUVENIR. One of the very best clear yellows. Each, 12 cts.; doz., \$1.25; 100, \$8.00.

W. H. PHIPPS. A beautiful light pink with 12 to 20 flowers open. The prize-winning basket of 25 spikes in the Cleveland Flower Show for 1930. Each, 20 cts.; doz., \$2.00; 100, \$15.00.



GENERAL LIST

BARON HULOT (Blue King). Good sized flower. Dark violet bordering on blue. Each, 15 cts.; doz., \$1.25; 100, \$7.50.

CHATEAU THIERRY. Pleasing orange-cerise, with blotch of yellow, bordered with red on the lower petals. Each, 12 cts.; doz., \$1.10; 100, \$8.00.

EVELYN KIRTLAND. Beautiful shade of rosy pink, darker at the edges, fading to shell pink at center, with brilliant scarlet blotches on lower petals. Each, 10 cts.; doz., 85 cts.; 100, \$6.00.

E. J. SHAYLOR. A very popular deep rose-pink with ruffled edges. Each, 10 cts.; doz., \$1.00; 100, \$6.50.

GLENDAL. Velvety dark American Beauty-red. Keeps exceptionally well after being cut. Each, 10 cts.; doz., \$1.00; 100, \$7.50.

GOLDEN MEASURE. Pure golden yellow, with very large flowers of good substance. Each, 12 cts.; doz., \$1.10; 100, \$8.00.

HALLEY. Delicate salmon pink, with a slight rosy tinge. Lower petals have a creamy blotch with a bright red stripe in center. Each, 10 cts.; doz., 75 cts.; 100, \$4.75.

HERADA. Blooms of immense size on tall straight spikes. Color pure mauve, glistening and clear. Each, 10 cts.; doz., \$1.00; 100, \$7.00.

LE MARECHAL FOCH. Very delicate pink with enormous wide open flowers very early. Each, 10 cts.; doz., 75 cts.; 100, \$5.50.

MARY PICKFORD. A comparatively new variety of dainty coloring; splendid spikes with large expanded blooms of a delicate creamy white, the throat suffused with soft canary yellow. Each, 12 cts.; doz., \$1.20; 100, \$9.00.

MRS. FRANK PENDLETON. Salmon pink with a very conspicuous blood red blotch in the throat on the lower petals. Very strong, growing from four to six feet. Each, 10 cts.; doz., 75 cts.; 100, \$5.00.

NIAGARA. A delightful cream shade with the two lower inside petals or segments blending to canary yellow. Each, 10 cts.; doz., 85 cts.; 100, \$6.00.

PEACE. A beautiful white, while interior petals are feathered pale lilac. Each, 10 cts.; doz., 75 cts.; 100, \$5.00.

PRINCE OF WALES. Delicate salmon rose. Each, 10 cts.; doz., \$1.00; 100, \$6.00.

Gladioli Bulbs Are Prepaid at Prices Given.



DAHLIAS

We have selected the best of each class. Price quoted includes free delivery. Because one Dahlia costs a great deal more than another does not necessarily mean that it is a better Dahlia, but that it is scarcer. Some of the finest Dahlias are low-priced because they are plentiful.

THE BEST DAHLIA BOOK

DAHLIAS, by F. F. Rockwell. Learn to know the different types of dahlias and their uses in your garden, how to plant and grow them, what fertilizers to use, how to control pests, how to harvest and store the tubers, grow for exhibition, and how to propagate and hybridize. Brief and practical. 65 illustrations, 80 pages.

\$1.00. Postpaid, \$1.10.

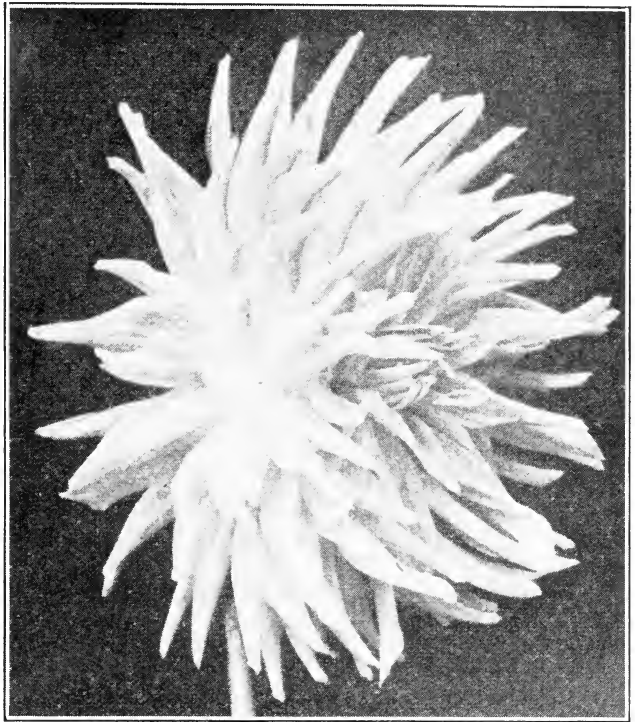
Decorative Dahlias

- ***BLACK BEAUTY.** Very deep maroon, nearly black. Each, 35 cts.; doz., \$3.00.
- BONNIE BLUE.** The nearest approach to a blue Dahlia. Each, 50 cts.; doz., \$4.50.
- ***DELICE.** A warm tone of lilaceous pink, overlaid with white. Each, 25 cts.; doz., \$2.50.
- ELDORADO.** Rich yellow. Each, 60 cts.
- ***EVENTIDE.** A white Dahlia with faint flush of delicate rose on the edge of the flower. Each, 50 cts.; doz., \$5.00
- HENRY PATRICK.** Very fine white, tall growing, profuse flowerer. Each, 50 cts.
- JACK ROSE.** Brilliant crimson red, similar in shade to the popular "Jack" Rose. Each, 35 cts.; doz., \$3.00.
- REMINGTON.** A fine shade of light pink; free bloomer. Each, 25 cts.; doz., \$2.50.
- ***SAGAMORE.** Light saffron yellow with glowing red-tinted golden suffusion. A good free bloomer with medium sized flowers which are particularly prized for cutting. Each, \$1.50.
- SYLVIA.** Soft, pleasing mauve pink, changing to white in the center; a fine cut flower. Each, 35 cts.; doz., \$3.00.
- ***THOMPSON.** Very large, full petaled, somewhat recurved; brilliant scarlet. Each, 25 cts.; doz., \$2.50.
- WILLIAM AGNEW.** Rich, dazzling carmine red. Each, 35 cts.; doz., \$3.00.

Show Type

- ***MRS. WELLESLEY.** Creamy white, heavily tipped solferino and crimson. Each, 35 cts.; doz., \$3.00.
- ***MAUDE ADAMS.** Very dainty; white, with a slight lavender suffusion. Each, 35 cts.; doz., \$3.50.
- A. D. LIVONI.** Warm, rose pink; perfect flowers, with quilled petals which nearly overlap at the ends. Each, 35 cts.; doz., \$3.00.
- ***CUBAN GIANT (Giant.)** Flowers 6 to 7 inches in diameter, dark, glowing crimson-shaded maroon. Each, 30 cts.; doz., \$3.00.
- ***PURPLE PENELOPE.** Fine purple Penelope (variegated). Each, 35 cts.; doz., \$3.00.
- RED HUSSAR.** Tall, bushy, upright; a handsome landscape variety. Of rigidly formal show type; its medium sized flowers gleam like rubies at pleasing intervals above a setting of very dark green, crinkled foliage; unrivaled among its fellows. Each, 35 cts.; doz., \$3.00.

*WE RECOMMEND AS THE BEST.



"Sulphur Queen" Dahlia

Cactus Dahlias

- ***ATTRACTION.** Entirely distinct. Immense formal flowers with broad petals coming abruptly to a point; color a beautiful lilac mauve. Each, 75 cts.; 6 for \$4.00.
- ***CALIFORNIA BEAUTY.** Probably the nearest approach to a pure copper, a flower of excellent form and dainty appearance produced most prolifically on long stiff wiry stems; a gem in the garden and a splendid cut flower. Each, 50 cts.
- ***CIGARETTE.** Cream and orange, variegated, good. Each, 75 cts.
- COUNTESS OF LONSDALE.** A pleasing blending of salmon pink and amber, a color difficult to describe. Each, 30 cts.; doz., \$3.00.
- ***CRYSTAL.** A great exhibition flower of large size and splendid form; long twisted incurved tubular petals of a tender silvery pink, which passes gradually towards the center to a soft ivory white. Each, 50 cts.
- KALIF.** Color vivid turkey red. Each, 50 cts.; doz., \$4.50.
- LAWINE.** Pure white, with a suggestion of blush at center. Each, 35 cts.; doz., \$3.00.
- ***SISKIYOU, H. C.** Pink tinted mauve, great prize winner. Each, \$1.00.
- STANDARD BEARER.** Bright pure scarlet. Flowers large, thick and full to center; of symmetrical and perfectly round form, petals semi-quilled. Each, 35 cts.; doz., \$3.00.
- ***SULPHUR QUEEN.** A splendid large flower of true Cactus form of a clean sulphur yellow, early and free; the best of this color yet introduced. Each, 50 cts.
- ***TALISMAN.** A gorgeously colored flower of a deep blood red with maroon shadings. Many of the long petals incur slightly, showing the reverse of the tips which gives the flower a more or less buff tipped appearance. Each, 75 cts.



Johnson's Seeds that Produce

Twelve Fine Cannas

Canna tubers should not be put into the ground until the soil has become warm. They commence blooming in June and continue until late in September. Every shoot bears a flower, and these shoots are being constantly produced throughout the season.

All varieties, except where noted, Each, 12 cts.; doz., \$1.25; 100, \$8.50, prepaid.

AMBASSADOR. $3\frac{1}{2}$ to 4 feet. Bronze foliage; color poppy red; very brilliant flowers are borne in immense trusses on strong stalks well above the foliage.

CANDELABRA. A fine new variety. 4 feet. Three to five flower branches on each stalk at one time is the average, and every single branch is ablaze with a torch-like flame of orange scarlet bloom.

CITY OF PORTLAND. $3\frac{1}{2}$ feet. Distinct among the several really worthwhile pink Cannas. A deep pink which does not fade during the hot weather. A free bloomer, with flowers borne well above the foliage.

HUNGARIA. An ideal pink bedder, flowers large in good sized trusses produced very freely, color a beautiful clear rose. $3\frac{1}{2}$ feet.

KARL MERCK. Beautiful golden yellow. $4\frac{1}{2}$ feet.

KING HUMBERT. Bronze foliage. Flowers of a brilliant orange-scarlet, with bright red markings. 5 feet.

YELLOW KING HUMBERT. Foliage dark green. Flowers a deep rich yellow, spotted and blotched with bright red.

THE PRESIDENT. The greatest red Canna, possessing every desirable quality. Of immense size, unsurpassed in vigor, penetrating color, and a free bloomer. 5 feet.

RICHARD WALLACE. Large canary yellow flowers, a well known popular variety. 4 feet.

VENUS. Color soft rosy pink, with a mottled border of creamy yellow. 4 feet.

WINTZER'S COLOSSAL. 5 feet. The largest-flowered Canna. Vivid scarlet.

WYOMING. Brilliant orange. Purplish-bronze foliage. 6 feet.

Other Bulbs and Roots

BEGONIAS. Tuberous-rooted. For shady locations.

Single. Scarlet, pink, orange and white. Each, 35 cts.; doz., \$3.50.

Double. Scarlet, pink, orange and white. Each, 40 cts.; doz., \$4.00.

CALADIUM esculentum (Elephant's Ear). Fine specimens for lawns. Each, 30 cts.; doz., \$3.00.

CINNAMON VINE. Rapid-growing climber. Sweet-scented, glossy foliage. Each, 10 cts.; doz., \$1.00.

HYACINTHUS candicans (Cape Hyacinth). White, bell-shaped flowers on spike. Each, 15 cts.; doz., \$1.50.

MADEIRA VINE. A rapid climber; sweetly scented, white flowers. Each, 10 cts.; doz., \$1.00.

TUBEROSE, Double Dwarf Excelsior Pearl. White, fragrant. Plant in May when soil becomes warm. Extra-sized roots. Each, 15 cts.; doz., \$1.50.

Johnson's Select Small Fruits

Five Luscious Strawberries

BIG JOE (Mid-season). The plant is unusually vigorous; the fruit is large, of exquisite flavor and produced freely on strong stems held well above the ground.

GANDY'S PRIZE (Late). The standard late variety, which has held its own for many years. The berries are borne on long, strong stalks, well above the ground.

PREMIER (Very early). The berries are large, beautifully formed and bright red all the way through.

SENATOR DUNLAP (Mid-season). The fruit is bright red with a glossy finish shading to a deep scarlet on the under side.

WILLIAM BELT (Early). The plant is a vigorous grower, succeeds upon almost all soils, invariably yields heavily, and the berries are always of large size and highest quality, its flesh is solid and deep crimson in color.

Any of the above varieties in strong layer plants, 50 cts. per doz.; \$2.50 per 100; \$20.00 per 1000.

Four Best Hardy Grapes

CONCORD. The most popular black grape; succeeds everywhere.

MOORE'S DIAMOND. Greenish-white, with rich yellow tinge.

MOORE'S EARLY. Large, black; good quality.

NIAGARA. Berries large, light greenish-white; slightly ambered.

Strong selected two-year-old vines, 35 cts. each; \$3.50 per doz.

Currants

BLACK NAPLES. Large black, for preserves.

FAY'S PROLIFIC. Largest and finest red.

PERFECTION (New). Color, red; larger than Fay. 40 cts. each; \$4.00 per doz.; \$30.00 per 100.

Blackberries

EL DORADO. One of the best; large, sweet and tender; very hardy.

SNYDER. One of the oldest and still one of the most popular.

\$1.00 per doz.; \$7.00 per 100.

Raspberries

CUMBERLAND. A large black cap of exceedingly fine quality.

CUTHBERT. Large, deep, rich crimson.

\$1.00 per doz.; \$7.00 per 100; \$60.00 per 1000.

Bulbs Are Prepaid at Prices Given.

Autumn-Fruiting or Everbearing

PROGRESSIVE. The most prolific fruiting of this type; berries of fair size and produced in great abundance; they are of an attractive deep, glossy crimson color and of good flavor. 75 cts. per doz.; \$2.50 per 100; \$20.00 per 1000.

MASTODON EVERBEARING. The largest fruiting of the everbearing sorts, yet notwithstanding its size it is also the most prolific, bearing continuously from June until frost, fruit firm and of excellent flavor. \$1.50 per doz.; \$10.00 per 100.



Johnson's Novelties For 1931 Gardens



Johnson's New Dark Leaved Globe Beet

Mary Washington Asparagus

This is a selection from the Washington showing a marked improvement in every respect. It is much larger than the ordinary strain and is slightly earlier. The tips are very compact and are a rich purplish-green and the whole stalk from base to tip is remarkably tender. Pkt., 10 cts.; ½ oz., 15 cts.; oz., 25 cts.; ¼ lb., 70 cts.; lb., \$2.25, postpaid.

Johnson's New Dark Leaved Globe Beet

A splendid type of the blood-turnip variety, combining fancy table quality with beautiful globe shape. The dark foliage of this variety is a striking feature, while the corresponding rich dark color of flesh and beautiful globe shape combine to make it an exceedingly attractive beet. The quality is sweeter and finer than any other beet we know of. Pkt., 10 cts.; oz., 25 cts.; ¼ lb., 75 cts., postpaid.

Johnson's Early Wonder Beet

An early variety, similar in type to Crosby's Egyptian. Globe shaped and very uniform in size, skin smooth, and flesh a deep blood red and extremely tender. It is admirably suited to the home garden and also on account of its earliness and superfine quality, valuable to the Market Gardener. Good for spring or late summer sowing. Pkt., 10 cts.; oz., 15 cts.; ¼ lb., 40 cts.; lb., \$1.35, postpaid.

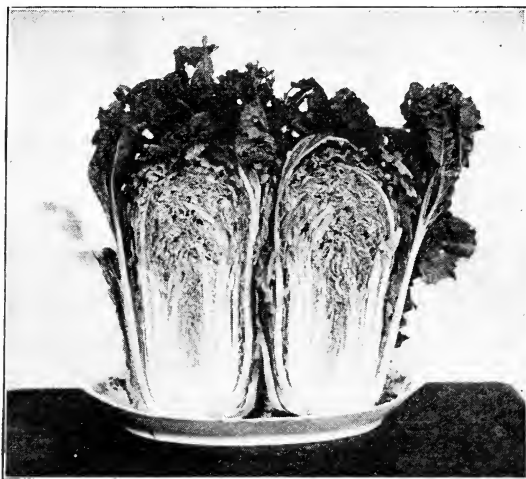
Johnson's Long Season Best

Tender and Delicious the Whole Season Long

If you want a beet that will remain tender and sweet all summer long and well into the winter, try the "Long Season."

This is the best table beet we have ever eaten. It makes no difference whether the beets are young or old, small or large, they are always tender and good.

This beet grows slowly and should not be depended upon for early use. Pkt., 10 cts.; oz., 25 cts.; ¼ lb., 60 cts., postpaid.



Wong Bok Celery Cabbage

Chinese Cabbage

WONG BOK. The heads of this sort are shorter and of greater diameter than Chihili and average heavier. Wong Bok has beautifully curled leaves of fine quality and is a sure header. Pkt., 10 cts.; ½ oz., 20 cts.; oz., 30 cts.; ¼ lb., 85 cts.; lb., \$2.50, postpaid.

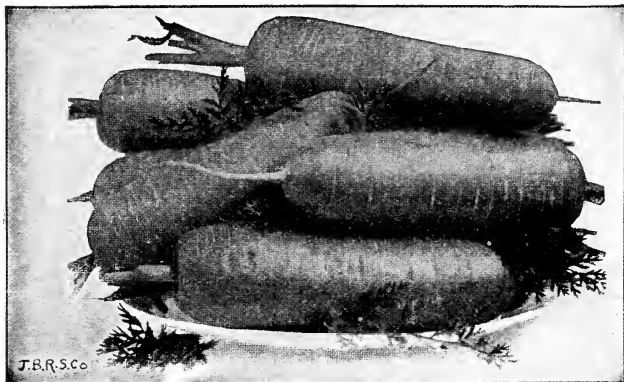
CHIHILI. This variety runs very true to type and is less liable to run to seed than other sorts. Length of head is about 16 inches. Outer leaves dark, bluish green, while the inside is creamy white and of fine quality. Pkt., 10 cts.; ½ oz., 25 cts.; oz., 40 cts.; ¼ lb., \$1.25, postpaid.

Johnson's Earliest Snowstorm Cauliflower

Snowstorm is the very best and earliest strain of Cauliflower on the market for forcing. It is a dwarf variety, with short outer leaves, and can be planted close, 2 feet apart each way. It always makes a fine, large and exceedingly beautiful snowy white head, much earlier than any other variety. Pkt., 25 cts.; ¼ oz., \$1.25; ½ oz., \$2.00; oz., \$3.50, postpaid.

Johnson's New Melting Orange Carrot

A very fine variety for table use. The carrots are very tender, of mild pleasant flavor, and without any hard core as in some varieties. The shape is ideal for a table carrot, being practically the same size from crown to bottom. The roots grow to medium size, are very smooth, and of a deep orange-red color all through. The carrots grow rapidly and are excellent for use when either young or full grown. Pkt., 10 cts.; oz., 20 cts.; ¼ lb., 60 cts.; lb., \$2.00, postpaid.



Johnson's New Melting Orange Carrot



Johnson's Seeds that Produce

Johnson's Novelties for 1931 Gardens

Mammoth New York Swiss Chard

This is a new and quite distinct sort, medium green in color, and of large size. The leaves are smooth, and the stalks are solid, thick, and of a pearly whiteness. The remarkable feature about Mammoth New York, however, is its superior flavor; careful breeding has entirely eliminated the earthy flavor which many Chards possess. We anticipate a large demand for this variety. Pkt., 20 cts.; $\frac{1}{2}$ oz., 50 cts.; oz., 85 cts.; $\frac{1}{4}$ lb., \$2.00, postpaid.

Johnson's Verifirst Sweet Corn

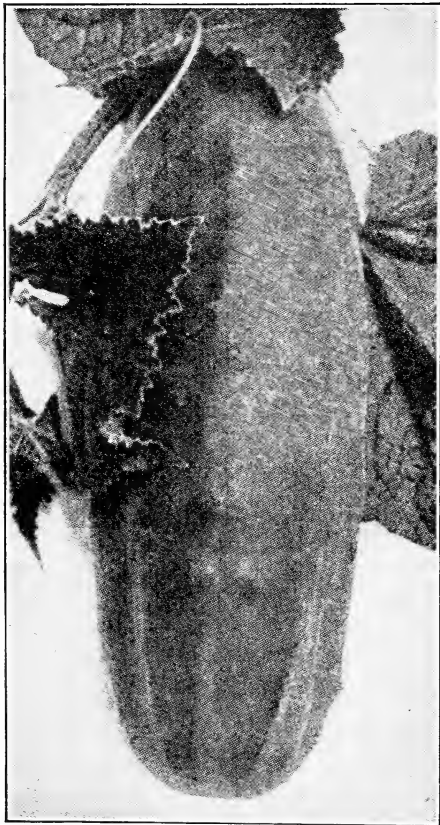
This new corn is so early that in a comparative test beside ten of the earliest sorts on the market, we found none to come within five days of being ready so soon for table use. It is a real acquisition for those who wish the earliest maturing sort either for home use or the market. Nothing that we know of can approach it for earliness, hardness and delicious flavor. Pkt., 10 cts.; $\frac{1}{2}$ lb., 25 cts.; lb., 40 cts.; 2 lbs., 75 cts.; 5 lbs., \$1.50; 10 lbs., \$2.75, prepaid.

Johnson's Golden Wedding Sweet Corn

A fine new sort, yielding two, and sometimes three, ears to each plant. It is a yellow variety, like Golden Bantam, but the ears are much larger and have 12 or more rows instead of the 8 rows of Golden Bantam. For sweetness and general refinement of flavor we consider it superior to the old Golden Bantam, and it is being served by many leading hotels. $\frac{1}{2}$ lb., 25 cts.; lb., 45 cts.; 2 lbs., 80 cts.; 5 lbs., \$1.75, prepaid.

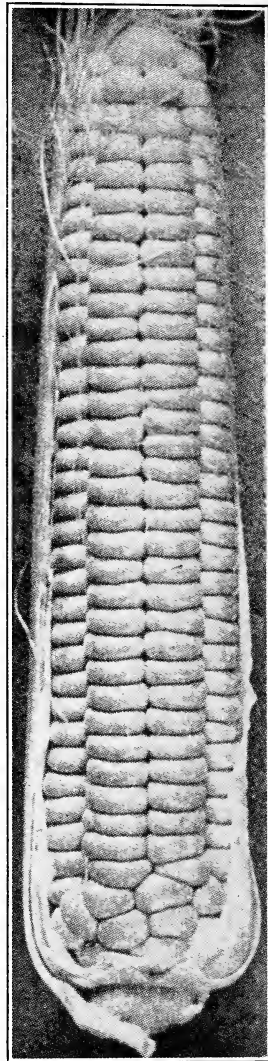
Johnson's New Golden Standard Sweet Corn

This splendid new sweet corn is almost identical with De Lue's Golden Giant, but we



Johnson's First in Market Cucumber

believe it is slightly larger and fully equal in quality. It is a cross between Golden Bantam and a large white sort thus combining the rich buttery flavor of Bantam with the size and tenderness of the longer white parents. Planted in spring at same time as Bantam, the new Golden Standard will just follow the former in being ready for table use. For later successions we recommend using the New Golden Standard altogether on account of its larger size. Pkt., 10 cts.; $\frac{1}{2}$ lb., 25 cts.; lb., 40 cts.; 2 lbs., 75 cts.; 10 lbs., \$3.00, prepaid.



New Golden Standard Sweet Corn

Johnson's New Extra Early Coreless Carrot

A very fine variety for table use. The carrots are very tender, of mild pleasant flavor, and without any hard core as in some varieties. The shape is ideal for a table carrot, being practically the same size from crown to bottom. The roots grow to a medium size, are very smooth, and of a deep orange-red color all through. The carrots grow rapidly and are excellent for use when either young or full grown. Pkt., 10 cts.; oz., 20 cts.; $\frac{1}{4}$ lb., 65 cts., postpaid.

Johnson's First in the Market Cucumber

For over thirty years we have been selecting and breeding up this type of extra early White Spine—the object being to get perfect fruits of "slicing" size into the market at earliest possible date. The color is an attractive dark green and the table quality is unsurpassed. The vines are of vigorous growth and produce abundantly, making them most profitable, both for the earliest "slicers" and when planted in June or July for pickles. When ready for slicing they run from 6 to 8 inches long, very straight and full and tapering abruptly at both ends. This sort is not only very desirable for market gardeners in the north but is much in favor in more southern localities for early shipment to northern markets.

We take special pride in this variety and can highly recommend it. Pkt., 10 cts.; oz., 20 cts.; $\frac{1}{4}$ lb., 65 cts.; lb., \$2.00, postpaid.



Johnson's Novelties for 1931 Gardens

Johnson's "Victory" Onion

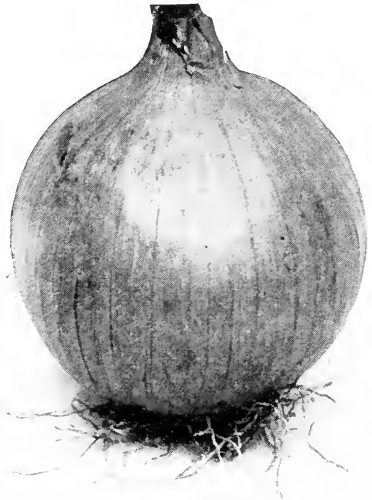
The largest and handsomest Onion on the market. Equally suitable for spring and summer sowing. Of globular shape and yellow skin. A superb exhibition variety, noted for its small neck and mild flavor. Pkt., 25 cts.; $\frac{1}{4}$ oz., 40 cts.

Ailsa Craig Onion

Has a handsome appearance, being large—12 have been known to weigh 30 pounds—it has fine straw-colored skin; these qualities make it excellent for exhibition purposes, in which it is a successful competitor of large, imported Spanish onions. The shape is globular and it forms a fine thin neck for a large onion. A splendid keeper; for eating raw it has no superior; it is mildly pungent in flavor, sweet and desirable. Pkt., 10 cts.; oz., 25 cts.; $\frac{1}{4}$ lb., 80 cts.; lb., \$2.70, postpaid.



Johnson's Bouquet Parsley



Onion, Ailsa Craig

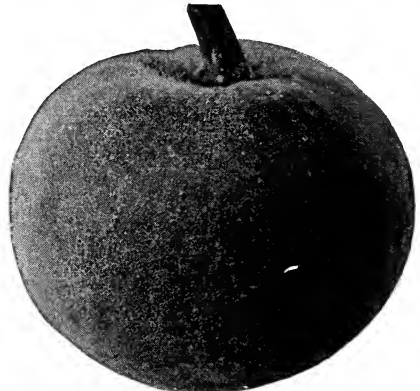
Johnson's Bouquet Parsley

This New Parsley is so beautifully curled and crested that we have felt justified in calling it "Bouquet." Without doubt it is the most ornamental variety grown—and hence for garnishing has no equal. It is of dwarf, compact habit of growth, and its color is a most pleasing shade of green. Pkt., 10 cts.; $\frac{1}{2}$ oz., 20 cts.; oz., 35 cts.; $\frac{1}{4}$ lb., \$1.00, postpaid.

Pumpkin Winter Luxury

Rich, Sweet Flavor; Makes Good Pies Without Eggs

The color of the skin is similar to that of the Golden Russet Apple. Flesh yellow and very thick. Quite early, surprisingly productive, and a rapid and hardy grower. The very finest for pies, making good ones even when eggs are not used. Size, 8 to 10 inches in diameter. Large pkt., 10 cts.; oz., 15 cts.; $\frac{1}{4}$ lb., 30 cts.; lb., \$1.00, postpaid.



Winter Luxury Pumpkin

Perpetual Spinach

The seed of this desirable plant may be sown any time from April to June and in six weeks cutting may commence, to continue right through into fall, for Perpetual Spinach is highly resistant to frost. The "greens" furnished are similar in flavor to true spinach, the leaves being very tender, even when allowed to grow large; they are both palatable and healthful. Cut the leaves about 3 inches from the ground. We offer a special strain of imported seed that has given satisfaction wherever sown. Pkt., 10 cts.; oz., 35 cts.; $\frac{1}{4}$ lb., \$1.00; lb., \$3.50.



Johnson's
"Victory"
Onion



Johnson's Seeds that Produce

Johnson's Novelties for 1931 Gardens

Delicious Green Peas from June to August



Johnson's Prizewinner

Special Free Delivery

All Seeds, Plants and Bulbs in quantities offered in this catalog are delivered transportation paid anywhere in the United States, we reserving the privilege of shipping either by Parcel Post, Express or Freight.

Gigantic Gibraltar Onion

On the order of "Prizetaker" both in shape and size of bulbs. It is of globe shape with light straw-colored skin and white flesh, which is very mild and tender. This variety will produce onions averaging five inches in diameter and weighing up to 2 lbs., if seed is sown early under glass and young plants are transplanted in April. Pkt., 10 cts.; ½ oz., 25 cts.; oz., 35 cts.; ¼ lb., \$1.00; lb., \$3.50.

Perfection Pimiento Pepper

One of the best for the home garden, to be used both green or ripe. Top-shaped, smooth, the flesh is twice as thick as that of ordinary peppers, delicious in flavor, sweet and entirely free from pungency. Pkt., 10 cts.; ½ oz., 20 cts.; oz., 35 cts.; ¼ lb., \$1.00, postpaid.

Grow More This Season

Are you utilizing all that ground of yours? Make it produce MORE. Plant Johnson's "Seeds that Produce," and get results that will repay you for your time.

Instead of planting only one variety of peas at intervals of 2 or 3 weeks use the following selected varieties and plant all at one time in early spring. This will allow a good root system to develop before hot weather comes. The varieties will bear in the order shown below, beginning about June 20, and keep up a steady succession until late August.

Johnson's New Extra Early Eight Weeks Peas

The earliest of all Peas and of exceptionally good quality for a smooth-seeded variety. Some people plant this variety exclusively, making successive plantings as the season advances, as they have found that it will give a larger yield on a comparatively small space of ground than any other sort. The vines grow 10 to 15 inches high, depending on soil and season.

Early Eight Weeks is a vigorous grower, bearing loads of good sized pods well filled with peas that surpass in quality any of the older extra early varieties. Pkt., 10 cts.; ½ lb., 30 cts.; lb., 55 cts.; 2 lbs., \$1.00; 5 lbs., \$2.00; 10 lbs., \$3.50, postpaid.

Johnson's New Hundredfold Peas

The Best Early Dwarf Wrinkled Pea

The New Hundredfold is unequalled for its combination of extreme earliness, superb quality and unusual productiveness. The dwarf vigorous vines average 15 inches in height and carry really enormous crops of large, deep bluish-green pods. The pods measure 4 to 4½ inches long and are tightly packed with 8 to 10 large, deep bluish-green peas. Thousands of our customers would not grow any other variety of peas because they know that the New Hundredfold cannot be excelled in quality and yield by any other dwarf pea. Our stock is extra fine. Pkt., 10 cts.; ½ lb., 30 cts.; lb., 55 cts.; 2 lbs., \$1.00; 5 lbs., \$2.00; 10 lbs., \$3.50, postpaid.

Johnson's New Prizewinner Peas

The Most Superb Table Quality

Johnson's New Prizewinner Pea produces its pods, which are of a rich dark green color, in 68 days from planting. Pods often measure 6 inches in length, and contain from 9 to 11 peas of enormous size, and of most tender and delicious quality. The growth is strong and healthy—about 20 inches high. It is astonishingly productive, and no variety we know of will produce more pods or shell out in greater abundance. The color of foliage and pod is so unusually dark and healthy that it is always noticeable. No lover of peas should fail to grow some of these. Large pkt., 10 cts.; ½ lb., 30 cts.; lb., 50 cts.; 2 lbs., 90 cts.; 5 lbs., \$2.00; 10 lbs., \$3.50.

DU PONT SEMESAN

Semesan will control such disease organisms as "damping-off" of seedlings, stem rot of carnations and root rot of violets, which are borne in the greenhouse, coldframe and seed bed soils. When choice tubers or bulbs have been cut accidentally or in separation, Semesan will protect them from storage molds or rots. It is being increasingly used for the disinfection of cuttings, graftings, tools and general equipment used in agricultural operations. Descriptive booklets upon request. Prices: 2 ozs., 50 cts.; 1 lb., \$2.75; 5 lbs., \$13.00.

**Free Descriptive Booklets Sent Upon Request.
Semesan Disinfectant Makes Good Seeds
Grow Better**

Du Bay and Semesan seed disinfectants are poisonous and under present postal regulations cannot be mailed, but must be sent by express or freight.



Johnson's Reliable Vegetable Seeds



Mary Washington

Asparagus Seed

One of the finest and most delicious vegetables in spring. No garden is complete without an asparagus bed. Can be grown in any good garden soil and prefers sunny, moist location.

MARY WASHINGTON. This variety seems to be the top-notch in the rust-resistant sorts. It is very early, producing large shoots even the second year from seed. Shoots are very large, frequently an inch in diameter, with a tendency to be oval in cross-section. The high-branching habit of this variety makes it possible to cut shoots, with good tight tip buds, as much as 2 feet long. The seeds of Mary Washington are large and produce strong, thrifty seedlings right from the start. Pkt., 10 cts.; oz., 25 cts.; ¼ lb., 70 cts.; lb., \$2.25.

NEW WASHINGTON PEDIGREED. Produces large straight shoots, dark green in color. The tips are tight and firm and do not begin to open out until well out of the ground, making the finest kind of Asparagus for both market and home. Those who desire to save time in bearing will do well to order our strong two-year-old roots instead of seed. Pkt., 10 cts.; oz., 15 cts.; ¼ lb., 50 cts.; lb., \$1.65, postpaid.

ARGENTEUIL. Very popular in France, and extensively grown for the Paris market. The stalks grow to a mammoth size, sometimes weighing as much as 4 ounces each. Pkt., 5 cts.; oz., 10 cts.; ¼ lb., 25 cts.; lb., 75 cts., postpaid.

PALMETTO. Earlier and larger than Colossal. Pkt., 5 cts.; oz., 10 cts.; ¼ lb., 25 cts.; lb., 75 cts., postpaid.

Asparagus Roots

We offer strong two-year-old roots of the following varieties: Argenteuil, Palmetto and Conover's Colossal.

Any of the above Asparagus 40 cts. per doz.;

\$2.00 per 100; \$8.50 per 500; \$15.00 per 1,000.

Washington Roots: 65 cts. per doz.; \$3.25

per 100; \$18.00 per 1,000.

Cultural Notes on Asparagus free on application.

Artichoke

JERUSALEM. (Tubers). Qt., 50 cts.; pk., \$2.50; bu., \$7.50.

LARGE GLOBE. (Seed). The flower heads are cooked like Asparagus. Pkt., 10 cts.; oz., 60 cts.; ¼ lb., \$1.75; lb., \$5.50.

Quality First

A garden or farm is planted for results. We are always striving to better our stocks, and in filling your orders we are always alert to the necessity of supplying seeds of the best possible quality. We want you to know that we value your confidence in our ability to give you the best of everything in our line.

JOHNSON'S SEED STORE.

Garden Beans

Bush Lima Beans

BURPEE'S IMPROVED. This has uniformly larger pods than the original Burpee's Bush Lima. Beans are thicker and remain green even in the dry stage. The plants are very prolific, bearing pods in clusters of from five to seven. The individual pods average 5 inches long and contain up to six beans. The beans are thin-skinned and of delightful flavor. Pkt., 15 cts.; ½ lb., 30 cts.; lb., 55 cts.; 2 lbs., \$1.00; 10 lbs., \$4.50, postpaid.

NEW WONDER (Quarter Century, or Burpee's Bush Lima). Pods smaller than Burpee's Improved; beans slightly smaller; a few days earlier and quite productive. A sure cropper. Very true to bush form. Pkt., 10 cts.; ½ lb., 25 cts.; lb., 40 cts.; 2 lbs., 75 cts.; 10 lbs., \$3.50, postpaid.

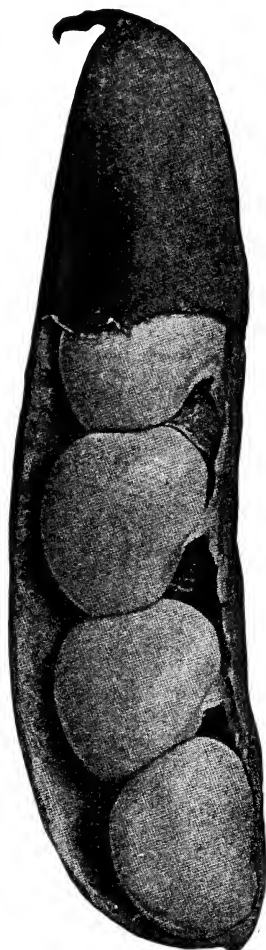
HENDERSON'S. Beans and pods are small. Pkt., 10 cts.; ½ lb., 25 cts.; lb., 45 cts.; 2 lbs., 80 cts.; 10 lbs., \$3.75, postpaid.

FORDHOOK. The stiffly erect bushes branch freely and bear tremendous crops. It is ready for use quite early. The beans are very fat, are closely packed in the pods, shell very easily and remain green a long time. Pods are borne in clusters of from four to six, average 4 to 5 inches long and contain usually four tender beans of a delightful flavor. Pkt., 15 cts.; ½ lb., 35 cts.; lb., 60 cts.; 2 lbs., \$1.10; 10 lbs., \$5.00, postpaid.

Ask for Special Prices on Beans in Larger Quantities

We wish you would write us frankly about the results you have with our seeds.

Fordhook Bush Lima Bean





Johnson's Seeds that Produce

Wax-Podded Dwarf Varieties

Culture. Bush Beans may be had throughout the season by planting at intervals of two weeks, from the beginning of May until the middle of August; they should be planted in drills two feet apart, one seed every six inches covered one inch deep. One pound (about 1 pint) will plant 100 feet of single row.

WARDWELL'S KIDNEY WAX. A very popular variety of Wax Bean, bearing long, flat pods of a delicate waxy yellow, stringless and brittle, producing a heavy crop. The pods mature a little later than Golden Wax, but are produced in great abundance. Pkt., 10 cts.; $\frac{1}{2}$ lb., 25 cts.; lb., 45 cts.; 2 lbs., 80 cts.; 10 lbs., \$3.00, postpaid.

DAVIS KIDNEY WAX. The handsomest of all the early Wax Beans. The pods are long (seven inches), straight, very uniform and clear waxy white. Pkt., 10 cts.; $\frac{1}{2}$ lb., 25 cts.; lb., 45 cts.; 2 lbs., 80 cts.; 10 lbs., \$3.00, postpaid.

IMPROVED GOLDEN WAX. Counted by many to be superior to all others. This bean, introduced in 1876, still continues the standard variety for home use. The pods are long, nearly straight, broad, half-round, golden yellow, very fleshy and wax-like. They cook quickly as snap beans and are of the highest quality. Pkt., 10 cts.; $\frac{1}{2}$ lb., 25 cts.; lb., 45 cts.; 2 lbs., 80 cts.; 10 lbs., \$3.00, postpaid.

PENCIL POD BLACK WAX. (Cylinder Pod.) Dwarf bush growth and very prolific, one of the earliest. Pods four to five inches in length, quite round; meaty, brittle and stringless; deep golden yellow; of excellent flavor. Pkt., 10 cts.; $\frac{1}{2}$ lb., 25 cts.; lb., 45 cts.; 2 lbs., 80 cts.; 10 lbs., \$3.00, postpaid.

CURRIE'S RUST-PROOF WAX. An improvement on the old-fashioned Golden Wax, and ready about mid-season. Pods grow long, flat, very tender and of finest quality. Pkt., 10 cts.; $\frac{1}{2}$ lb., 25 cts.; lb., 45 cts.; 2 lbs., 80 cts.; 10 lbs., \$3.00, postpaid.

NEW KIDNEY WAX. Robust in growth and very prolific with long pods, entirely stringless, fleshy and of fine quality. Pkt., 10 cts.; $\frac{1}{2}$ lb., 30 cts.; lb., 50 cts.; 2 lbs., 90 cts.; 10 lbs., \$4.00, postpaid.

HODSON WAX. A distinct Wax Bean of unusually healthy growth, which enables it to resist disease. The variety is remarkably prolific, with straight, oval pods. In season it follows Wardwell's Kidney Wax and other standard sorts, thus giving a succession. On this account and because of its remarkable productiveness and beauty it is becoming very popular. Pkt., 10 cts.; $\frac{1}{2}$ lb., 25 cts.; lb., 45 cts.; 2 lbs., 80 cts.; 10 lbs., \$3.20, postpaid.

SURE-CROP STRINGLESS WAX. A valuable variety of Dwarf Wax Bean which, while not related to the well-known Currie's Rust-Proof Wax, bears a great resemblance to it in plant and seed. It is very productive, bearing large, handsome golden yellow pods in great abundance. Pkt., 10 cts.; $\frac{1}{2}$ lb., 30 cts.; lb., 50 cts.; 2 lbs., 90 cts.; 10 lbs., \$3.50, postpaid.

Green Podded Dwarf Varieties

All Prices Quoted Are Prepaid

EARLIEST RED VALENTINE. This variety is usually ready to pick in 35 days from time of planting. Pkt., 10 cts.; $\frac{1}{2}$ lb., 25 cts.; lb., 40 cts.; 2 lbs., 75 cts.; 10 lbs., \$3.25, postpaid.

BLACK SEEDED VALENTINE. This variety is valuable because it withstands considerable cold, damp weather and hence may be planted very early. The pods are round, very fleshy and entirely stringless. Pkt., 10 cts.; $\frac{1}{2}$ lb., 25 cts.; lb., 40 cts.; 2 lbs., 75 cts.; 10 lbs., \$3.25, postpaid.

BOUNTIFUL. This one is the best of the flat-podded stringless varieties. The light green pods are $6\frac{1}{2}$ to 7 inches long, flat, slightly curved, absolutely stringless, attractive and of very fine quality. At the same time it is very early, vigorous, hardy and a heavy yielder. Pkt., 10 cts.; $\frac{1}{2}$ lb., 30 cts.; lb., 50 cts.; 2 lbs., 90 cts.; 10 lbs., \$4.00, postpaid.

GIANT STRINGLESS GREEN POD. This Bean is absolutely stringless. Fine, large, round, fleshy, tender pod. As early as Six Weeks, with the advantage of being a better cropper. The plants are of strong growth, very productive, pods 5 inches long, light green, slightly curved, very meaty, being broadly rounded, saddle backed and absolutely stringless. Pkt., 10 cts.; $\frac{1}{2}$ lb., 30 cts.; 1 lb., 50 cts.; 2 lbs., 90 cts.; 10 lbs., \$3.25, postpaid.

REFUGEE, OR THOUSAND TO ONE. Very tender and productive. Splendid for late planting. Pkt., 10 cts.; $\frac{1}{2}$ lb., 25 cts.; lb., 40 cts.; 2 lbs., 70 cts.; 10 lbs., \$2.75, postpaid.

BURPEE'S STRINGLESS GREEN POD. This Bean is very early, productive, hardy and vigorous; the pods average about 5 inches long, straight, stout, round, crease-backed, and of a dark green color. They are tender, brittle, of the finest flavor and quality, and strictly stringless. Pkt., 10 cts.; $\frac{1}{2}$ lb., 30 cts.; lb., 50 cts.; 2 lbs., 90 cts.; 10 lbs., \$3.25, postpaid.

DWARF HORTICULTURAL. (Roma.) The young green pods are tender and of good flavor, slightly curved, 5 inches long, colored greenish yellow, speckled with carmine. Pkt., 10 cts.; $\frac{1}{2}$ lb., 25 cts.; lb., 45 cts.; 2 lbs., 80 cts.; 10 lbs., \$3.50, postpaid.

FULL MEASURE. A fine stringless, early, medium green, high quality bean. Pods straight, 6 inches long, very fleshy, round, crease backed and showing depressions around the beans. Season with Burpee's Stringless. Seed bean much resembles Red Valentine. Pkt., 10 cts.; $\frac{1}{2}$ lb., 30 cts.; lb., 50 cts.; 2 lbs., 90 cts.; 10 lbs., \$3.75, postpaid.

IMPROVED ENGLISH BROAD WINDSOR. Large and productive, bushy habit; well podded from top to bottom of stem. Pkt., 15 cts.; $\frac{1}{2}$ lb., 40 cts.; lb., 70 cts.; 2 lbs., \$1.30; 10 lbs., \$5.50, postpaid.



Unripened Wax Bean



Pole Lima Beans

Pole Beans

One pound will plant 100 hills; 30 pounds will plant an acre.

It is safest to plant in a well-manured sandy loam fully 2 weeks after settled warm weather (in the latitude of Cleveland about May 20). Set cedar or similar poles 8 to 10 feet in length, $3\frac{1}{2}$ to 4 feet apart each way. It is best to set the poles 18 inches deep, slanting slightly to the north. In the hill around it plant at least 6 Beans, placing them on edge with the eye down, and cover with less than one inch of soil. When well started, thin to 4 plants to the hill and tie.

Prices on Beans include postage.

EARLY LEVIATHAN. The earliest of the large-podded sorts. The pods are 5 to 6 inches in length and often contain five to six large, flat, pale green beans of excellent quality. The Early Leviathan is very productive. Pkt., 10 cts.; $\frac{1}{2}$ lb., 25 cts.; lb., 40 cts.; 2 lbs., 70 cts.; 10 lbs., \$3.00, postpaid.

CARPINTERIA LARGE GREEN-SEADED. Vines are strong, vigorous growth, setting many pods, which are closely filled with large, fat beans, much thicker than those of the ordinary pole limas. Pods contain three to four beans, which retain the green tint in the dry state—a sure indication of fine quality. Pkt., 10 cts.; $\frac{1}{2}$ lb., 25 cts.; lb., 40 cts.; 2 lbs., 70 cts.; 10 lbs., \$3.25, postpaid.

GIANT-PODDED. The largest-podded lima in cultivation; extremely vigorous in growth; midseason. Pods measure about 7 inches long by $1\frac{1}{2}$ inches broad and are borne in clusters of six to eight; beans extra large and of excellent quality. Pkt., 10 cts.; $\frac{1}{2}$ lb., 25 cts.; lb., 45 cts.; 2 lbs., 85 cts.; 10 lbs., \$4.00, postpaid.

KING OF THE GARDEN. Vigorous grower, pods containing five to six large beans, which are of fine quality. The vines grow strong and yield heavily. A very fine variety. Pkt., 10 cts.; $\frac{1}{2}$ lb., 25 cts.; lb., 40 cts.; 2 lbs., 70 cts.; 10 lbs., \$3.25, postpaid.

Baking Varieties

RED KIDNEY. This variety is extensively used by many people for baking. We have a prolific type that is very desirable. Pkt., 10 cts.; $\frac{1}{2}$ lb., 20 cts.; lb., 35 cts.; 2 lbs., 60 cts.; 10 lbs., \$2.75, postpaid.

WHITE KIDNEY. Excellent shell bean. Pkt., 10 cts.; $\frac{1}{2}$ lb., 20 cts.; lb., 35 cts.; 2 lbs., 60 cts.; 10 lbs., \$2.50, postpaid.

IMPROVED BOSTON PEA OR NAVY. Choicest northern grown seed. Pkt., 10 cts.; $\frac{1}{2}$ lb., 20 cts.; lb., 35 cts.; 2 lbs., 60 cts.; 10 lbs., \$2.50, postpaid.

WHITE MARROW. Fine early shell beans. Pkt., 10 cts.; $\frac{1}{2}$ lb., 20 cts.; lb., 35 cts.; 2 lbs., 60 cts.; 10 lbs., \$2.50, postpaid.

Beets for Stock Feeding

An ever-increasing acreage is being planted to Beets for stock, because of the wonderful results from feeding them. Sow in rows $2\frac{1}{2}$ to 3 feet apart as soon as the ground can be thoroughly worked. Cover seed about 1 inch, making ground firm over the seed. When 4 inches high, thin to 8 inches apart. Beets cannot stand being frozen, so should be harvested before cold weather sets in, and they may be buried in pits the same as potatoes or turnips, when roots are thoroughly dry.

Six pounds of seed will sow 1 acre.

Mangel-Wurzels

Sugar Beets

MAMMOTH LONG RED. Also called Norbiton Giant, Jumbo Mangel, Colossal, etc. A favorite with the farmer and dairyman. Large, well-formed, dark red color; very nutritious, a big cropper. Pkt., 5 cts.; oz., 10 cts.; $\frac{1}{4}$ lb., 25 cts.; lb., 75 cts.; 5 lbs., \$2.75; 10 lbs., \$4.00, postpaid.

GOLDEN TANKARD. Very productive and sweet; flesh yellow; tops and neck very small; easily pulled; especially relished by sheep and cows. Pkt., 5 cts.; oz., 10 cts.; $\frac{1}{4}$ lb., 25 cts.; lb., 75 cts.; 5 lbs., \$2.75; 10 lbs., \$4.00, postpaid.

YELLOW or ORANGE GLOBE. Very productive; easily pulled; fine keeper; spherical shape; orange-yellow skin and flesh. Pkt., 5 cts.; oz., 10 cts.; $\frac{1}{4}$ lb., 25 cts.; lb., 75 cts., postpaid.

GOLDEN GIANT INTERMEDIATE. Yellow Leviathan or Mammoth Yellow. Beautiful russet-yellow; skin smooth; flesh white, firm, sweet; productive; easily pulled; good keeper. Pkt., 5 cts.; oz., 15 cts.; $\frac{1}{4}$ lb., 25 cts.; lb., 65 cts., postpaid.

KLEIN WANZLEBEN. This splendid Sugar Beet is one of the greatest milk-producing roots known. The yield is not quite equal to mangels, yet the feeding value is superior. Contains the greatest amount of sugar of any. Pkt., 5 cts.; oz., 10 cts.; $\frac{1}{4}$ lb., 25 cts.; lb., 75 cts., postpaid.

LANE'S IMPERIAL. Especially good for stock feeding. Large, smooth, fine-grained and very sweet. Pkt., 5 cts.; oz., 10 cts.; $\frac{1}{4}$ lb., 20 cts.; lb., 65 cts., postpaid.

GIANT HALF-SUGAR ROSE. Yield nearly as much per acre as mangel-wurzels and the roots are of much larger nutritive value. Roots grow partly out of ground and are easily harvested. Pkt., 5 cts.; oz., 10 cts.; $\frac{1}{4}$ lb., 25 cts.; lb., 75 cts., postpaid.

GIANT HALF-SUGAR WHITE. Similar to above, only white. Pkt., 5 cts.; oz., 10 cts.; $\frac{1}{4}$ lb., 25 cts.; lb., 75 cts., postpaid.

Ask for prices on large lots of both Mangels and Sugar Beets.



Johnson's Seeds that Produce



Johnson's Long Season Beet. See page 39

Edmand's Blood Turnip

A second early sort and very uniform. Root is always smooth, round, and handsome; top small; of good marketable size and among the best for table use. Color dark red; crisp, tender and sweet; good keeper. Pkt., 5 cts.; oz., 10 cts.; ¼ lb., 30 cts.; lb., \$1.00, postpaid.

Early Wonder

The demand for Early Wonder is growing rapidly. It is a turnip-shaped variety of very uniform type and is always smooth. Flesh is a beautiful deep red color, more uniform than Crosby, and is of excellent quality. Tops are small and erect and it may therefore be planted closer than most other sorts, thereby increasing the yield. Pkt., 10 cts.; oz., 15 cts.; ¼ lb., 40 cts.; lb., \$1.35, postpaid.

SWISS CHARD OR SPINACH BEET

A peculiar variety of Beet, of which the leaves only are used as "greens" when young, and are equally delicious when allowed to mature. The broad, white leafstalks or midribs can be cooked and served like asparagus. Produces continually from July until fall. Desirable for greens in summer when spinach cannot be grown.

FORDHOOK GIANT. Leaves broad, upright in growth, very dark green, savoyed, with broad white midrib. This variety, on account of its giant size and pleasing deep green color, will probably supersede other sorts. Pkt., 5 cts.; oz., 10 cts.; ¼ lb., 30 cts.; lb., \$1.00, postpaid.

SILVER or SEA KALE. Yellowish green in color. The original Swiss Chard, of medium size. Smaller than Lucullus. Pkt., 10 cts.; oz., 20 cts.; ¼ lb., 45 cts.; lb., \$1.25, postpaid.

LUCULLUS. An improved variety yielding an enormous crop of delicious "greens." The plants grow from 2 to 2½ feet tall and consist, when fully developed, of about a dozen creamy white beautifully curled leaves. These leaves are carried on broad, thick stalks, about 1 foot long. Pkt., 5 cts.; oz., 10 cts.; ¼ lb., 30 cts.; lb., \$1.00, postpaid.

Table Beets

If wanted very early, sow in hotbeds and transplant; but for main crop sow in the spring, as soon as the ground becomes fit to work, in drills 1½ feet apart, ½ inch deep. For winter use, the turnip varieties may be sown as late as June and the seed covered 2 inches. When the plants are 3 to 4 inches in height, thin out so that they stand 3 to 4 inches apart. Before freezing weather sets in the roots may be stored in cellars or pits, same as potatoes. Dry earth thrown over them before the straw is put on insures their keeping over winter. Do not bruise them in handling.

One ounce of seed will sow 50 feet of drill; 5 to 6 pounds to the acre.

JOHNSON'S DARK-LEAVED GLOBE. See page 39.

LONG SEASON. See page 39.

Detroit Dark Red

Best for canning. This superb variety is one of the most popular red turnip Beets, not only for market gardeners, but for home use. The small top, early maturing and splendid shape and color have made it a favorite. Top small, upright growing, leaf, stem and veins dark red, blade green; root globular and very smooth; color of skin dark red; flesh deep, bright red, very crisp, tender and sweet. Pkt., 10 cts.; oz., 15 cts.; ¼ lb., 35 cts.; lb., \$1.25, postpaid.

Extra-Early Dark Red Egyptian

Very early, but a little later than Crosby's Egyptian, which has quite largely taken the place of it. The shape is more flat. Dark blood red, medium size, tender and sweet. Good for forcing. Pkt., 5 cts.; oz., 15 cts.; ¼ lb., 35 cts.; lb., \$1.00, postpaid.

Crosby's Improved Egyptian

Of handsome form, good size, few small tops, very small taproot, fine quality and a rapid grower. Very early. Takes on its turnip shape and looks well in the very early stages of its growth, on which account it is preferred for first early crop. Being a rapid grower, it may be sown outside as late as July. Skin dark red, flesh somewhat lighter. We have a very fine stock and believe it is nearer the original Crosby idea than any other. Pkt., 10 cts.; oz., 15 cts.; ¼ lb., 35 cts.; lb., \$1.25, postpaid.

Crimson Globe

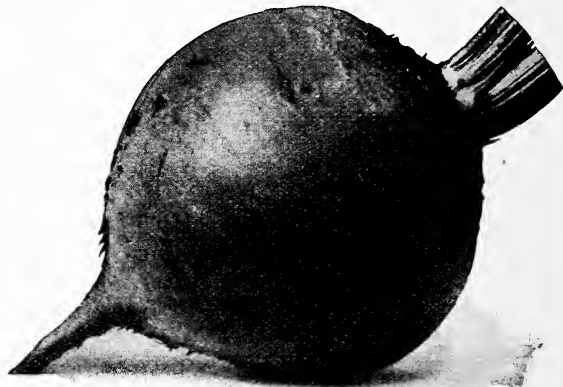
A late main crop variety. Root of medium size, handsome globe shape and remarkably smooth surface. Skin and flesh are deep, rich red, fine grained, sweet and tender in all stages of growth. Small tap-root; leaves are small, dark green. Pkt., 5 cts.; oz., 10 cts.; ¼ lb., 35 cts.; lb., \$1.00, postpaid.

Early Eclipse

The tops are small, roots are bright deep red, smooth, round or slightly top-shaped. The flesh is bright red, zoned with pink; very sweet, crisp and tender when young. Pkt., 5 cts.; oz., 10 cts.; ¼ lb., 35 cts.; lb., \$1.00, postpaid.

Dewing's Improved Blood Turnip

The leading medium-early and late main crop variety. Roots smooth, handsome, good size, tender and sweet. An enormous cropper. Sow late for winter storage. Pkt., 5 cts.; oz., 10 cts.; ¼ lb., 30 cts.; lb., \$1.00, postpaid.



Detroit Dark Red Beet



Broccoli

Hardier Than Cauliflower

Culture. Should be treated the same as cauliflower, which it resembles. Grows larger and taller. A packet will produce about 250 plants, about 3,000 plants to an ounce.

EARLY LARGE WHITE. Similar to cauliflower, but is more hardy. Heads medium size, close and compact. One of the most certain to head. Pkt., 10 cts.; $\frac{1}{2}$ oz., 25 cts.; oz., 40 cts.

ITALIAN GREEN SPROUTING. A new and distinct variety of the sprouting type. It forms a large head consisting of a cluster of bluish green flower-heads. When this central head is removed the plant develops numerous lateral sprouts, each of which produce a small head. These are cut, leaving about 6 inches of the stem, and are tied in bunches for market. Both stems and heads are cooked and served like cauliflower. Ready for market in about 90 days. Our stock comes direct from an Italian grower. Pkt., 25 cts.; $\frac{1}{2}$ oz., 55 cts.; oz., \$1.00; $\frac{1}{4}$ lb., \$3.00.

Brussels Sprouts

One ounce will produce 1,500 plants; 6 ounces will plant an acre

Use a rich heavy loam with good drainage. In the latitude of Cleveland, sow outside in rows in May and transplant in July to rows 2 to $2\frac{1}{2}$ feet apart, setting the plants $1\frac{1}{2}$ to 2 feet apart in the rows. Cultivate often. Brussels Sprouts are hardy and keep in fine condition from October until December, while farther south they keep through March.

LONG ISLAND-GROWN HALF-DWARF IMPROVED. A very uniform strain that has proved more productive of firm dark green sprouts than can be grown from imported seed. The plants are dwarf, compact, and hardy. A profitable variety. Pkt., 10 cts.; $\frac{1}{2}$ oz., 20 cts.; oz., 30 cts.; $\frac{1}{4}$ lb., 80 cts.

Cabbage

One ounce will produce 1,500 plants; $\frac{1}{2}$ pound will plant an acre

For very early use sow in January or February in hotbeds, or sow in hotbeds in March. Transplant to the open ground when danger from killing frost has passed, in rows 2 feet apart and 18 inches from plant to plant. For succession sow in the open ground the last of March or early in April. The autumn and winter varieties may be sown early in May in shallow drills 3 or 4 inches apart; transplant early in July, making the rows about $2\frac{1}{2}$ feet apart, and setting the plants 2 feet apart in the rows.

The Best Early Varieties

GOLDEN ACRE (SPECIAL). An early variety which closely resembles Copenhagen Market in type. As its name implies, it is a money-maker. It is 8 to 10 days earlier than Copenhagen Market but is smaller and can be planted closer. Because of its earliness and fine quality it commands a higher price than any round-headed Cabbage. Pkt., 15 cts.; $\frac{1}{2}$ oz., 25 cts.; oz., 45 cts.; $\frac{1}{4}$ lb., \$1.50; lb., \$5.00, postpaid.

COPENHAGEN MARKET. The round, solid heads weigh 8 to 10 pounds, are of fine quality and very uniform. The light green leaves fold tightly and compactly over one another. Plants are short-stemmed, with heads just above the ground. Almost as early as Early Jersey Wakefield. Can be planted as close as Charleston Wakefield. Pkt., 10 cts.; $\frac{1}{2}$ oz., 20 cts.; oz., 35 cts.; $\frac{1}{4}$ lb., 90 cts.; lb., \$3.25, postpaid.

SELECT EARLY JERSEY WAKEFIELD. The standard early variety, conical in shape; medium-sized heads; very solid. Pkt., 10 cts.; $\frac{1}{2}$ oz., 15 cts.; oz., 25 cts.; $\frac{1}{4}$ lb., 80 cts.; lb., \$2.75, postpaid.

GLORY OF ENKUIZEN. Standard early variety of round-headed type; grown to good size. Pkt., 10 cts.; $\frac{1}{2}$ oz., 20 cts.; oz., 30 cts.; $\frac{1}{4}$ lb., 90 cts.; lb., \$3.25, postpaid.

CHARLESTON WAKEFIELD. Not quite as early as the regular Jersey Wakefield, but the heads are considerably larger, very solid. Pkt., 10 cts.; $\frac{1}{2}$ oz., 15 cts.; oz., 25 cts.; $\frac{1}{4}$ lb., 80 cts.; lb., \$2.75, postpaid.

Savoy Cabbage

PERFECTION DRUMHEAD SAVOY. The largest solid-headed Savoy. The plants are strong and vigorous. In flavor, Savoy cabbage is quite unique, preferred by many connoisseurs to any other cabbage, and we highly recommend it. Pkt., 10 cts.; $\frac{1}{2}$ oz., 15 cts.; oz., 25 cts.; $\frac{1}{4}$ lb., 75 cts.; lb., \$2.50, postpaid.



Golden Acre (Special)

For Second-early and Main Crop

ALL HEAD EARLY. The leading second early sort, large, uniform, very solid, and plants are of compact growth. It may also be planted late for fall and winter use, as it is a good keeper for a 110-day variety. A good kraut cabbage. Pkt., 10 cts.; $\frac{1}{2}$ oz., 15 cts.; oz., 25 cts.; $\frac{1}{4}$ lb., 75 cts.; lb., \$2.50, postpaid.

EARLY DRUMHEAD. Produces a good, large, round head following Charleston Wakefield. A variety that stands summer heat well. Pkt., 10 cts.; $\frac{1}{2}$ oz., 20 cts.; oz., 35 cts.; $\frac{1}{4}$ lb., \$1.00, postpaid.

HENDERSON'S EARLY SUMMER. A reliable second early, which matures about ten days after All Head Early. It makes a medium size, solid, flat head, with short outer leaves, which admit of close planting in the field, and is a good keeper. One of the best we offer. Pkt., 10 cts.; $\frac{1}{2}$ oz., 15 cts.; oz., 25 cts.; $\frac{1}{4}$ lb., 75 cts.; lb., \$2.50, postpaid.

SUCCESSION. A second early round, somewhat flat-headed sort, of very fine texture and quality. Comes in a few days after Early Summer and is larger. Equally useful for both home and market garden. Pkt., 10 cts.; $\frac{1}{2}$ oz., 15 cts.; oz., 25 cts.; $\frac{1}{4}$ lb., 75 cts.; lb., \$2.50, postpaid.

Use **HOTCAPS** to Protect Your Plants

See page 1



Johnson's Seeds that Produce

CABBAGE—Continued

Late Winter Sorts

BUGNER'S LATE WINTER. A much better keeper than the Ballheads, more solid and freer from cabbage diseases. Deep bluish-green in color. Pkt., 10 cts.; $\frac{1}{2}$ oz., 25 cts.; oz., 40 cts.; $\frac{1}{4}$ lb., \$1.25, postpaid.

DANISH BALL HEAD, SHORT STEM, HOLLANDER or DUTCH WINTER. The leading late variety in many sections, and a fine sauerkraut cabbage. Heads average ten to twelve pounds, are round, fine keepers. The strong growth and its good quality make it a most valuable cabbage. Pkt., 10 cts.; $\frac{1}{2}$ oz., 20 cts.; oz., 30 cts.; $\frac{1}{4}$ lb., 90 cts.; lb., \$3.25, postpaid.

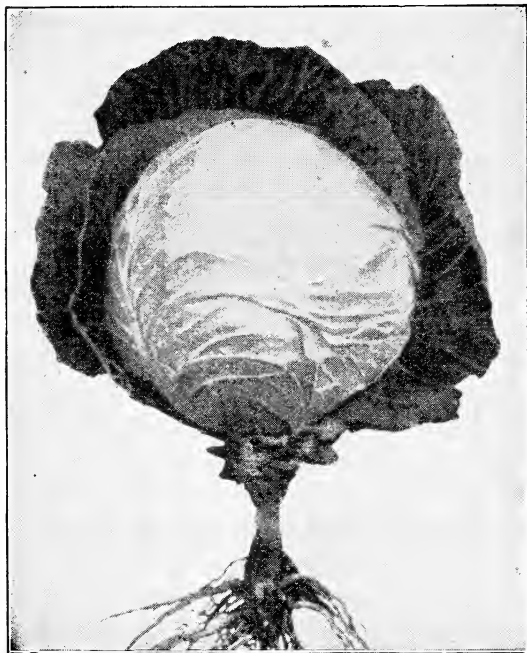
DANISH ROUNDHEAD. Another good sauerkraut variety, slightly earlier than Ball Head, with a shorter stalk, and very hard. The interior leaves are pure white and of sweet flavor. Pkt., 10 cts.; $\frac{1}{2}$ oz., 20 cts.; oz., 30 cts.; $\frac{1}{4}$ lb., 90 cts.; lb., \$3.25, postpaid.

FLAT DUTCH. The heads are flat and grow remarkably large, even and very solid, and the quality is unsurpassed. Makes a slow growth, but is a sure heading sort. Pkt., 10 cts.; $\frac{1}{2}$ oz., 15 cts.; oz., 25 cts.; $\frac{1}{4}$ lb., 70 cts.; lb., \$2.25, postpaid.

Red Cabbage

LARGE RED DRUMHEAD. A large-heading variety, largely used for "slaw" and pickling. Pkt., 10 cts.; $\frac{1}{2}$ oz., 15 cts.; oz., 25 cts.; $\frac{1}{4}$ lb., 80 cts., postpaid.

MAMMOTH ROCK RED. A sure-heading sort, round and solid. Pkt., 10 cts.; $\frac{1}{2}$ oz., 15 cts.; oz., 25 cts.; $\frac{1}{4}$ lb., 80 cts.; lb., \$2.75, postpaid.



Danish Ballhead Cabbage

Cauliflower

One ounce will produce 1000 plants.

Johnson's Earliest Snowstorm

Snowstorm is the very best and earliest strain of Cauliflower on the market for forcing. It is a dwarf variety, with short outer leaves, and can be planted close, 2 feet apart each way. It always make a fine, large and exceedingly beautiful snowy white head, much earlier than any other variety. Pkt., 25 cts.; $\frac{1}{4}$ oz., \$1.25; $\frac{1}{2}$ oz., \$2.00; oz., \$3.50, postpaid.

JOHNSON'S GILT EDGE SNOWBALL. It is very early, of large uniform size, and as well adapted for late planting as for early. The heads are pure white and grow very solid and compact. We recommend this as the very best variety for outdoor culture on account of its earliness, vigorous growth, handsome appearance and high quality. Pkt., 25 cts.; $\frac{1}{4}$ oz., 70 cts.; $\frac{1}{2}$ oz., \$1.20; oz., \$2.20; $\frac{1}{4}$ lb., \$8.00, postpaid.

EARLY DWARF ERFURT. This is a very reliable and popular variety when our select seed is used. We handle only the best seed grown. Heads very white, compact and close. Pkt., 20 cts.; $\frac{1}{4}$ oz., 65 cts.; $\frac{1}{2}$ oz., \$1.15; oz., \$2.10, postpaid.

DANISH GIANT OR DRY WEATHER. Quite early and will succeed when other sorts fail. Pkt., 25 cts.; $\frac{1}{4}$ oz., 75 cts.; $\frac{1}{2}$ oz., \$1.25; oz., \$2.40; $\frac{1}{4}$ lb., \$8.50, postpaid.

Cauliflower succeeds well in any soil where cabbage will grow. It delights in a rich soil and abundance of water. By sowing the early varieties in a hotbed in February or March, fine heads can be obtained in May or June. For a later supply, sow seed in a prepared bed in May, choosing a cool, moist place. When large enough, transplant, making the rows about 2 $\frac{1}{2}$ feet apart and 18 inches between the plants. Transplanting should be done in moist weather.



Gilt Edge Snowball Cauliflower



Carrots

Sow in early spring in drills 15 to 18 inches apart, finally thinning the plants to 3 to 4 inches apart. If sown early on moist soil, a half-inch is deep enough to cover the seed. The seed is slow to germinate. Keep clean by frequent hoeing and weeding. If neglected, the young plants are easily smothered, and the crop lost.

One ounce sows 100 feet of drill; 4 pounds sow one acre.

JOHNSON'S MELTING ORANGE. See page 39.

JOHNSON'S NEW CORELESS. See page 40.

IMPROVED CHANTENAY. A popular and profitable sort to raise for market. It is about 6 inches long, thick through, and decidedly stump-rooted. In size it is between the Oxheart and Danvers. The flesh is a deep orange red, fine-grained and of excellent flavor. It is very early and always produces smooth, shapely roots. Its fine appearance finds for it a ready market. Biggest seller, and one of the best for home gardens. Our strain of seed is unsurpassed. Pkt., 10 cts.; oz., 15 cts.; $\frac{1}{4}$ lb., 35 cts.; lb., \$1.25, postpaid.

OXHEART. Intermediate in length and diameter; quality extra good. Comes early. Some sorts require digging but the Oxheart can be easily pulled. Adapted to shallow soils where the longer sorts would not thrive as well. Pkt., 10 cts.; oz., 15 cts.; $\frac{1}{4}$ lb., 35 cts.; lb., \$1.25, postpaid.

NANTES HALF-LONG (Stump-rooted). Early. Sweet and fine flavored; almost without a core; very fine grained; excellent for the home garden. One of the finest in quality and handsomest of the medium-sized sorts; about 6 inches long. Pkt., 10 cts.; oz., 15 cts.; $\frac{1}{4}$ lb., 35 cts.; lb., \$1.25, postpaid.

IMPROVED RUBICON. This beautiful half-long stump-root Carrot is about the same length as the well-known Danvers, but is cylindrical, and is rich dark orange in color; very sweet and mild. Remarkably clean-skinned; grows evenly and is easily pulled. Grows best in a soft, deep and mellow soil which has been well manured. Pkt., 10 cts.; oz., 15 cts.; $\frac{1}{4}$ lb., 40 cts.; lb., \$1.30, postpaid.

HUTCHINSON. A variety that was developed by selection from the Danvers Half-Long. It has slightly darker orange skin, grows an inch or two longer, but differs from the Danvers in that it carries its fullness well down to the end, making it decidedly stump-rooted. A heavy yielder and attractive in appearance. We do not find it superior to Danvers. Pkt., 10 cts.; oz., 15 cts.; $\frac{1}{4}$ lb., 45 cts.; lb., \$1.50, postpaid.

IMPROVED LONG ORANGE. Very handsome and uniform in shape; roots are of deep orange color, good flavor; yields very heavily. Requires a deep soil. Too long to be popular. Pkt., 10 cts.; oz., 15 cts.; $\frac{1}{4}$ lb., 35 cts.; lb., \$1.15, postpaid.

EARLY SCARLET HORN. For forcing and early garden use; flesh deep orange, fine grained; agreeable flavor; small top, stump-rooted; about 3 inches long. Pkt., 10 cts.; oz., 15 cts.; $\frac{1}{4}$ lb., 40 cts., postpaid.

IMPROVED DANVERS (Half Long). The best for general crop. Will yield the most per acre. Profitable for market gardeners. It is grown largely on account of its productiveness and adaptability to all classes of soils. Tops medium size, roots deep orange, large, but of medium length, tapering uniformly to a blunt point. Smooth and handsome; sweet, crisp and tender. Although of medium length, it is one of the largest yielders, one of the leading table sorts, and also used a great deal for stock feeding. Pkt., 10 cts.; oz., 15 cts.; $\frac{1}{4}$ lb., 35 cts.; lb., \$1.25, postpaid.

IMPROVED SHORT WHITE. For stock feeding. Very large, half-long roots; 7 to 9 inches long; nearly white. It is the heaviest cropper known. Pkt., 10 cts.; oz., 20 cts.; $\frac{1}{4}$ lb., 45 cts.; lb., \$1.25, postpaid.

LARGE WHITE BELGIAN. For stock feeding. A heavy cropping sort, growing about 12 to 16 inches in length; white below the ground, green above. Pkt., 10 cts.; oz., 15 cts.; $\frac{1}{4}$ lb., 30 cts.; lb., \$1.00, postpaid.

SPECIAL PRICES ON CARROT SEED IN LARGER QUANTITIES.



Improved Chantenay

Chicory

Sow the seed in June in open ground, in rows 12 to 14 inches apart, keeping free from weeds; water is necessary. Take up the roots in November and cut off top to about 2 $\frac{1}{4}$ inches from the neck and shorten lower end to a uniform length of 8 to 10 inches. Prepare a trench 16 to 18 inches deep and place roots upright, 1 $\frac{1}{2}$ inches apart. Fill in level with good, light soil and by covering with 1 $\frac{1}{2}$ feet of manure any portion may be forced as needed. In four to five weeks the heads will be ready for use. The blanched head is the edible portion and is generally eaten raw as a salad.

LARGE ROOTED. The finest flavored and hardiest growing variety. Pkt., 10 cts.; oz., 25 cts.; $\frac{1}{4}$ lb., 75 cts.

WITLOOF (French Endive). A delicious winter salad, eaten usually with French dressing, like lettuce. Pkt., 10 cts.; oz., 25 cts.; $\frac{1}{4}$ lb., 70 cts.; lb., \$2.25, postpaid.

SELECTED FORCING. Pkt., 10 cts.; $\frac{1}{2}$ oz., 20 cts.; oz., 35 cts.

Corn Salad or Feticus

A vegetable used as a salad. Sow at the first opening of spring for summer use in rows 1 foot apart, and it is fit for use in six to eight weeks.

LARGE-LEAVED. Pkt., 5 cts.; oz., 15 cts.; $\frac{1}{4}$ lb., 45 cts.; lb., \$1.45, postpaid.

Cress or Pepper Grass

EXTRA-CURLED PEPPER GRASS. A well-known, pungent salad; can be used alone or with lettuce. Requires to be sown thickly, at frequent intervals, covering very lightly, to keep up a succession, as it soon runs to seed. May be cut two or three times. Pkt., 5 cts.; oz., 10 cts.; $\frac{1}{4}$ lb., 25 cts.; lb., 75 cts., postpaid.

TRUE WATER. Well-known hardy perennial aquatic plant. Is easily grown along margins of ponds and streams where it increases both by spreading of roots and seeding. Has a pleasant, pungent flavor. Pkt., 10 cts.; $\frac{1}{2}$ oz., 30 cts.; oz., 50 cts., postpaid.

UPLAND. This is a hardy perennial; stays green nearly the whole year; ready for use in the spring before any other salad. Eaten like lettuce or boiled like spinach. Sow in April in rows 1 foot apart. Pkt., 5 cts.; $\frac{1}{2}$ oz., 25 cts.; oz., 40 cts.; $\frac{1}{4}$ lb., \$1.00, postpaid.

Collards

A plant of the cabbage family. It is well adapted to the South, enduring extreme heat; excellent for greens.

TRUE SOUTHERN or GEORGIA. Pkt., 5 cts.; oz., 15 cts.; $\frac{1}{4}$ lb., 40 cts., postpaid.

ALL VEGETABLE SEEDS in quantities offered in this Catalog are **DELIVERED TRANSPORTATION PAID** anywhere in the United States, we reserving the privilege of shipping either by **PARCEL POST, EXPRESS or FREIGHT.**



Johnson's Seeds that Produce

Celery One ounce of seed will produce 3,000 plants;
 $\frac{1}{4}$ pound will plant an acre.

Columbia

An early-maturing sort. The plant is of medium height, but very stocky and heavy. The stalks are thick, almost round, of rich yellow tint and fine quality. Pkt., 10 cts.; $\frac{1}{2}$ oz., 20 cts.; oz., 35 cts.; $\frac{1}{4}$ lb., \$1.10; lb., \$3.75, postpaid.

Giant Pascal

Forms solid, crisp stalks of rich, nutty flavor. It is of strong growth, blanches easily to a rich creamy white, and is very brittle. A fine keeper for midwinter use, retaining color and fresh appearance a long time. A favorite for local markets and private use. Pkt., 10 cts.; $\frac{1}{2}$ oz., 25 cts.; oz., 40 cts.; $\frac{1}{4}$ lb., \$1.20; lb., \$4.15, postpaid.
EXTRA SELECT GIANT PASCAL. French grown. Pkt., 20 cts.; $\frac{1}{4}$ oz., 75 cts.; $\frac{1}{2}$ oz., \$1.45; oz., \$2.75, postpaid.

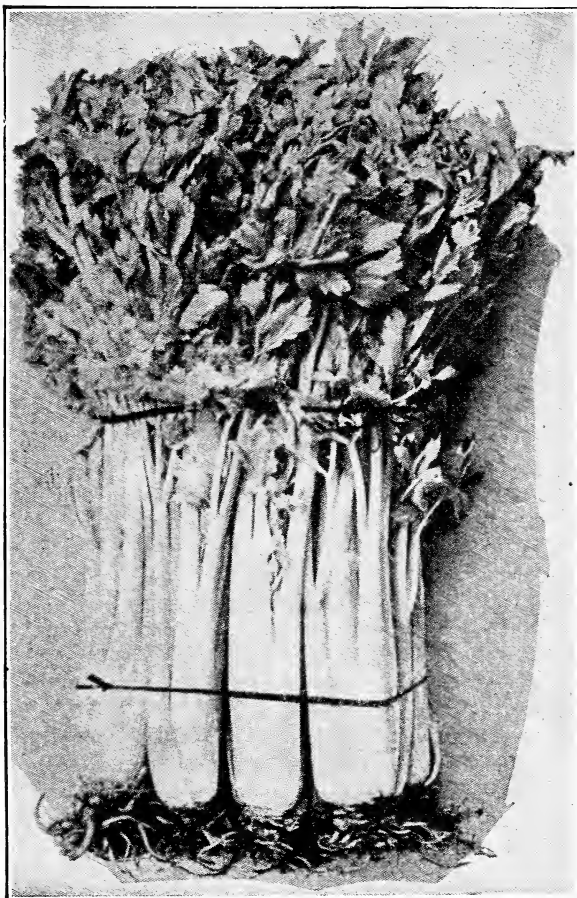
Emperor

A distinct variety of true dwarf type and, therefore, easier to blanch. The plants average about 15 inches in height. Stalks smooth, very thick, white, heart tinged with yellow and very crisp with decidedly nutty flavor. Pkt., 10 cts.; $\frac{1}{2}$ oz., 20 cts.; oz., 30 cts.; $\frac{1}{4}$ lb., 85 cts.; lb., \$3.25, postpaid.

Golden Self-blanching

Of French origin. Heavy, compact plants that grow to good size. It is very tender, solid, crisp, heart large, of excellent quality and beautiful golden color.

AMERICAN-GROWN SEED. A splendid strain. Pkt., 10 cts.; $\frac{1}{2}$ oz., 25 cts.; oz., 40 cts.; $\frac{1}{4}$ lb., \$1.30; lb., \$4.00, postpaid.



Golden Self-blanching



New Golden Plume or Wonderful Celery

FRENCH-GROWN SEED. From one of the most careful growers. Old strain. Late. Pkt., 15 cts.; $\frac{1}{4}$ oz., 30 cts.; $\frac{1}{2}$ oz., 50 cts.; oz., 85 cts.; $\frac{1}{4}$ lb., \$3.00, postpaid. New strain. Early. Pkt., 15 cts.; $\frac{1}{4}$ oz., 35 cts.; $\frac{1}{2}$ oz., 60 cts.; oz., \$1.00; $\frac{1}{4}$ lb., \$3.50, postpaid.

Easy-blanching

A remarkably easy variety to blanch, and being adapted to early use as well as storing for winter makes it especially suitable for the home garden. Stalks white, thick, brittle and of excellent flavor. A strong, healthy grower. Pkt., 10 cts.; $\frac{1}{2}$ oz., 20 cts.; oz., 35 cts.; $\frac{1}{4}$ lb., \$1.05; lb., \$3.75, postpaid.

Wonderful

Similar in some respects to Golden Plume, but does not keep as well, hence should be used or marketed early. It is being used in large quantities in many of the celery sections. It grows rapidly to a good height, has a very attractive golden yellow color, and the quality is fine. Not as subject to blight as some other varieties. Our stock was grown for us by the originator. Pkt., 20 cts.; $\frac{1}{4}$ oz., 60 cts.; $\frac{1}{2}$ oz., \$1.00; oz., \$1.75; $\frac{1}{4}$ lb., \$6.00, postpaid.

Golden Plume

This is a selected strain of Golden Self-blanching, having a beautiful golden color and that rich, nutty flavor so much desired by lovers of fine Celery. It resists blight and rust to a remarkable degree, matures quite early, and keeps a long time. The Golden Plume is a mighty good shipping sort. It grows to large size and of fine proportions. A very attractive sort, hence an easy one to sell. Pkt., 25 cts.; $\frac{1}{4}$ oz., 40 cts.; $\frac{1}{2}$ oz., 75 cts.; oz., \$1.25; $\frac{1}{4}$ lb., \$4.50, postpaid.

Celeriac

(Turnip-rooted Celery)

Sow seed the same as for Celery. Transplant into rows 2 feet apart and 9 inches in the row. Thorough cultivation is necessary to secure good roots. The roots may be cooked or used as salad.

GIANT SMOOTH PRAGUE. Pkt., 10 cts.; $\frac{1}{2}$ oz., 20 cts.; oz., 30 cts.; $\frac{1}{4}$ lb., 90 cts., postpaid.

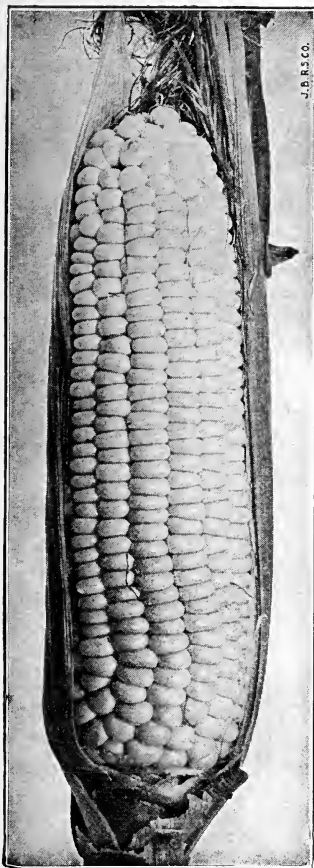
Chervil

One ounce will sow about 100 feet of drill.

Culture. Sow in drills one foot apart in early spring or fall, covering seed about one-half inch. Thin out plants to 4 inches in row; leaves ready in 6 to 8 weeks. Curled variety used like parsley. Can also be sown in August or September; thin out to six inches in row, and rows fifteen inches apart.
LARGE CURLED. Largely used in soups and salads. Pkt., 10 cts.; oz., 30 cts.; $\frac{1}{4}$ lb., 75 cts., postpaid.



Corn, Sweet or Sugar



Whipple's Early White

a dry time. Especially adapted for home garden. Pkt., 10 cts.; ½ lb., 20 cts.; lb., 30 cts.; 2 lbs., 50 cts.; 10 lbs., \$2.00, postpaid.

WHIPPLE'S EARLY WHITE. Of the Evergreen type, but ready for use much earlier. Comes only about a week later than the small Extra Early Sorts but is much larger. Ears 8 to 9 inches long, 16 to 18 rows of pearly white and very sweet grains. One of the best for market or home-gardens. Pkt., 15 cts.; ½ lb., 20 cts.; lb., 30 cts.; 2 lbs., 55 cts.; 10 lbs., \$2.00, postpaid.

Yellow or Golden Sweet Corns

BARDEN'S WONDER BANTAM. Of the same type, season and quality as Golden Bantam, but having a longer ear. The stalks grow from 5 to 6 feet high and have ears 8 to 10 inches long, filled with 8 rows of rich golden kernels. Originator's stock. Pkt., 10 cts.; ½ lb., 20 cts.; lb., 30 cts.; 2 lbs., 55 cts.; 10 lbs., \$2.00, postpaid.

JOHNSON'S NEW GOLDEN STANDARD. See also page 40. This new sort is very similar to De Lue's Golden Giant and we recommend it very highly. See full description and cut on page 40. Makes a fine succession for Golden Bantam. Pkt., 15 cts.; ½ lb., 25 cts.; lb., 40 cts.; 2 lbs., 75 cts.; 10 lbs., \$3.00, postpaid.

GOLDEN BANTAM. Produces ears measuring about 5 inches, but the smallness of ears is fully made up by the deliciously sweet flavor and tender quality of the corn when cooked. By all odds the finest extra early variety when quality is considered. Pkt., 10 cts.; ½ lb., 20 cts.; lb., 30 cts.; 2 lbs., 50 cts.; 10 lbs., \$2.00, postpaid.

BANTAM EVERGREEN. A golden Evergreen. Has the good qualities of Golden Bantam combined with those of the Evergreen. Comes just right in season to follow the early sorts. Color a rich golden yellow. Ears about 8 inches long and 2 inches thick. Pkt., 10 cts.; ½ lb., 20 cts.; lb., 30 cts.; 2 lbs., 55 cts.; 10 lbs., \$2.00, postpaid.

Pop Corn

MONARCH WHITE RICE. This is the best Pop Corn for home or market. Select ears. Pkt., 10 cts.; ½ lb., 20 cts.; lb., 30 cts.; 3 lbs., 70 cts.; 10 lbs., \$2.20, postpaid.

Ask for Special Prices on Larger Quantities

One pound will plant about 200 hills; 12 pounds will plant an acre.

The Sweet or Sugar varieties, being liable to rot in cold or wet ground, should not be planted before May, or until the ground has become warm; for a succession continue every two weeks until the middle of July in hills 3 feet apart each way, covering about half an inch, and thin out to 3 plants to a hill.

JOHNSON'S NEW VERIFIRST. See page 40.

JOHNSON'S GOLDEN WEDDING. See page 40.

EARLIEST MAYFLOWER. This is a ten to twelve-rowed corn, larger than Mammoth White Cory and from three to five days earlier. Three seasons' trials of this splendid sort have convinced us that it is the coming extra early corn. Pkt., 10 cts.; ½ lb., 20 cts.; lb., 30 cts.; 2 lbs., 50 cts.; 10 lbs., \$2.00, postpaid.

HOWLING MOB. A large-eared early sweet corn, ready for use about five days later than Mammoth White Cory, generally producing two good ears to a stalk averaging 7 to 9 inches long with 12 to 14 rows of pearly white grains. The stalks grow 4 to 5 feet high. An excellent home or market sort. Pkt., 10 cts.; ½ lb., 20 cts.; lb., 30 cts.; 2 lbs., 50 cts.; 10 lbs., \$2.00, postpaid.

MAMMOTH WHITE CORY. Considered one of the best early sweet corns. It produces stalks about four feet high, each generally bearing two large, finely shaped ears which become fit for use in about 52 days. They are 12-rowed, 6 to 7 inches long. Pkt., 10 cts.; ½ lb., 20 cts.; lb., 30 cts.; 2 lbs., 50 cts.; 10 lbs., \$2.00, postpaid.

KENDEL'S EARLY GIANT. Large, handsome ears of fine quality; very early. Pkt., 10 cts.; ½ lb., 20 cts.; lb., 30 cts.; 2 lbs., 50 cts.; 10 lbs., \$2.00, postpaid.

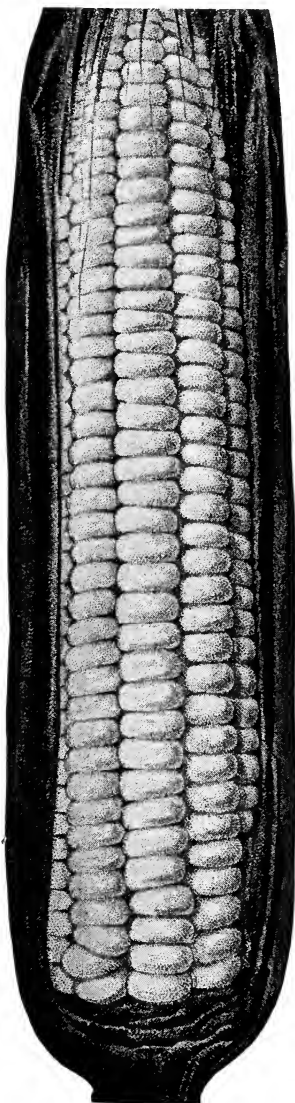
BLACK MEXICAN. When in table condition the grains are pure white and quality delicious. Pkt., 10 cts.; ½ lb., 20 cts.; lb., 30 cts.; 2 lbs., 50 cts.; 10 lbs., \$2.00, postpaid.

EARLY EVERGREEN. Ripens about ten days earlier than Stowell's Evergreen. Ears large and uniform. Pkt., 10 cts.; ½ lb., 20 cts.; lb., 30 cts.; 2 lbs., 50 cts.; 10 lbs., \$2.00, postpaid.

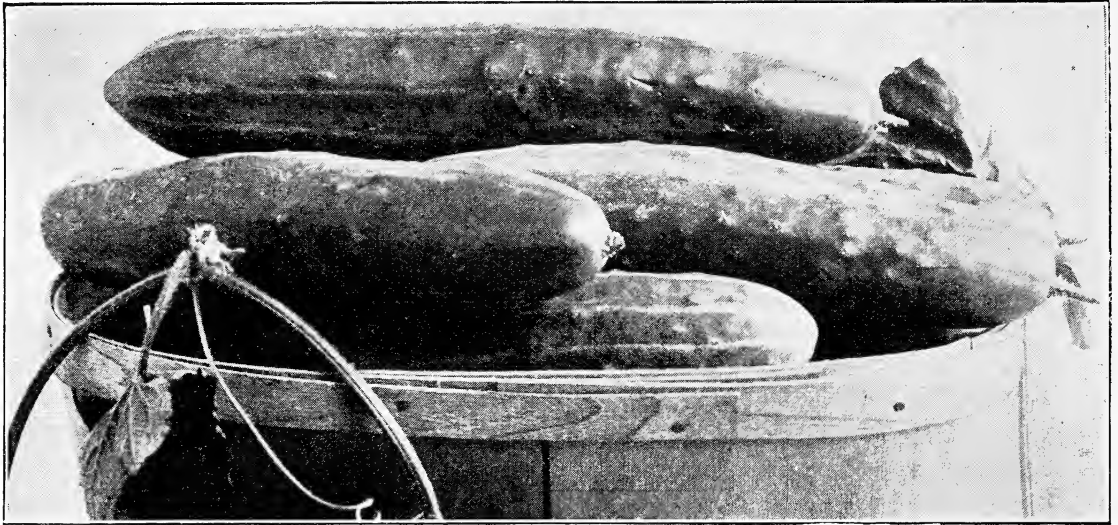
STOWELL'S EVERGREEN. The most popular variety grown, ears large and very sweet. Pkt., 10 cts.; ½ lb., 20 cts.; lb., 30 cts.; 2 lbs., 50 cts.; 10 lbs., \$2.00, postpaid.

COUNTRY GENTLEMAN. The finest of all sweet corns for the table, and when once used no other sort is quite good enough. Ears average eight to nine inches in length; cobs small and grain very deep. Pkt., 10 cts.; ½ lb., 20 cts.; lb., 30 cts.; 2 lbs., 55 cts.; 10 lbs., \$2.25, postpaid.

COLUMBUS MARKET. The ears, often 10 inches long, carry an average of 16 rows of fine, large, deep, white and very sweet grains, which are second to none in tenderness and flavor. The stalk is very strong, sturdy and of only medium height; the leaves broad and dark green in color, a habit of growth which gives it great endurance during



Barden's Wonder Bantam



Johnson's Selected Davis Perfect Cucumbers

Cucumbers

As soon as the weather has become settled and warm, plant in hills 4 to 6 feet apart each way, with 8 to 10 seeds in a hill; cover $\frac{1}{2}$ inch deep, smoothing the hill off with the hoe. For pickles, plant from June 1 to August 1. The fruit should be gathered when large enough for pickling, whether required for use or not, as, if left to ripen on the vines, it destroys their productiveness. One ounce of seed will plant about 50 hills; 1 to 2 pounds to the acre.

JOHNSON'S FIRST IN MARKET. See page 40.

JOHNSON'S SELECTED DAVIS PERFECT. We have spent many years in working up a very fine strain of Davis Perfect in which fine length, slimness, beautiful dark green color are distinguishing features of this most popular of the extra long white spine cucumber. For indoor and outdoor planting it is most popular. Its extremely vigorous growth makes it the best blight resister of the long sorts. Pkt., 10 cts.; oz., 15 cts.; $\frac{1}{4}$ lb., 35 cts.; lb., \$1.25, postpaid.

JOHNSON'S PERFECT WHITE SPINE. The finest type of White Spine yet produced. Early, very productive and disease-resistant; fruits nine inches long, slightly tapering; flesh white, very firm and crisp, with very few seeds; color rich, dark green, which does not fade when shipped a long distance. Pkt., 10 cts.; oz., 20 cts.; $\frac{1}{4}$ lb., 40 cts.; lb., \$1.25, postpaid.

JOHNSON'S EXTRA-EARLY WHITE SPINE. The most thoroughbred, uniform, and shapely variety of White Spine known, not only for first early, but for general crop as well. Vines are vigorous growers. The very best for slicing, and make choice pickles; straight and smooth. A great bearer and keeps green much longer than the yellow varieties. Pkt., 10 cts.; oz., 15 cts.; $\frac{1}{4}$ lb., 35 cts.; lb., \$1.25, postpaid.

EARLY FORTUNE. A fine variety of White Spine type. The fruit is of uniform size and shape. The skin, which is dark green, holds its color remarkably well and therefore remains in slicing condition longer than some of the other standard sorts. Pkt., 10 cts.; oz., 15 cts.; $\frac{1}{4}$ lb., 35 cts.; lb., \$1.25, postpaid.

IMPROVED WHITE SPINE. Early and very productive. Fruit quite uniform, about 7 inches long and well rounded at both ends, of bright green color. Used for early slicing and when planted late it produces good pickles. Pkt., 10 cts.; oz., 15 cts.; $\frac{1}{4}$ lb., 35 cts.; lb., \$1.25, postpaid.

GREEN PROLIFIC or BOSTON PICKLING. Of uniform growth, seldom too large for pickling; produces fine, short, green pickles, and is immensely productive. Pkt., 10 cts.; oz., 15 cts.; $\frac{1}{4}$ lb., 35 cts.; lb., \$1.25, postpaid.

LONGFELLOW. (New). An excellent, long, slender, dark green variety equally desirable for greenhouse forcing or outdoor culture, and an ideal type for the private garden or as a "straight pack" variety for shipment to market. It measures 12 to 14 inches long by $2\frac{1}{2}$ inches in diameter. A good healthy grower, very productive, and is fairly early. Pkt., 10 cts.; $\frac{1}{2}$ oz., 20 cts.; oz., 30 cts.; $\frac{1}{4}$ lb., \$1.00; lb., \$3.50, postpaid.

KLONDIKE. Excellent strain of White Spine, remarkable for the uniformly dark green skin of its shapely fruits. Pkt., 10 cts.; oz., 15 cts.; $\frac{1}{4}$ lb., 35 cts.; lb., \$1.25, postpaid.

EXTRA-LONG or EVERGREEN WHITE SPINE. Averages longer than other strains. Extra-fine shape and quality; makes a good pickle, may be used for growing under glass. Pkt., 10 cts.; oz., 15 cts.; $\frac{1}{4}$ lb., 40 cts.; lb., \$1.45, postpaid.

IMPROVED LONG GREEN. The fruits are quite long, averaging 8 to 10 inches in length, and dark green in color. This good old sort is very popular both as a slicer and for pickles. One of the best general-purpose Cucumbers. Pkt., 10 cts.; oz., 15 cts.; $\frac{1}{4}$ lb., 45 cts.; lb., \$1.50, postpaid.

VICKERY'S FORCING. Rich, dark green in color; immense cropper. Used to some extent for hothouse growing. It is a little short to be ideal, but it is a great yielder. Pkt., 15 cts.; $\frac{1}{2}$ oz., 25 cts.; oz., 45 cts.; $\frac{1}{4}$ lb., \$1.10; lb., \$4.00, postpaid.

EARLY GREEN CLUSTER. The small, short prickly pickles are borne in great profusion in clusters of two and three. Fine for bottling. Pkt., 10 cts.; oz., 15 cts.; $\frac{1}{4}$ lb., 40 cts.; lb., \$1.30, postpaid.

WESTERFIELD CHICAGO PICKLING. A deep green pickle of medium length, slightly pointed at ends. Pkt., 10 cts.; oz., 15 cts.; $\frac{1}{4}$ lb., 40 cts.; lb., \$1.30, postpaid.

GHERKINS (True West India). Used only for pickles. Fruits small, oval, about 2 by $1\frac{1}{4}$ inches, covered with spines; color light green. Pkt., 10 cts.; oz., 25 cts.; $\frac{1}{4}$ lb., 50 cts., postpaid.

English Forcing Cucumbers

COVENT GARDEN FAVORITE, ROCKFORD'S MARKET, LOCKIE'S PERFECTION. In packets of 10 seeds each. 20 cts.; \$1.75 per 100 seeds.

DUKE OF EDINBURGH, SION HOUSE IMPROVED, TELEGRAPH (Rollison's). In packets of 10 seeds each, 15 cts.; \$1.40 per 100 seeds.

Your seeds are certainly fine. Germination is always good. I have used them for 17 years. H. F. Williams, Allegheny Co., Pa.

Johnson's Seeds that Produce



Dill

Sow early in the spring, thinly in rows about 1½ feet apart for hand cultivation or 2½ feet apart if to be cultivated with horse. Cover seed about ½ inch. Dill is used in large quantities for flavoring cucumber pickles and vinegar.

COMMON. Pkt., 5 cts.; oz., 10 cts.; ¼ lb., 20 cts.; lb., 60 cts., postpaid.
MAMMOTH. Similar to above except larger plant and seedheads. Pkt., 5 cts.; oz., 15 cts.; ¼ lb., 25 cts.; lb., 75 cts., postpaid.

Special prices to market gardeners if wanted in larger quantities.

Eggplant

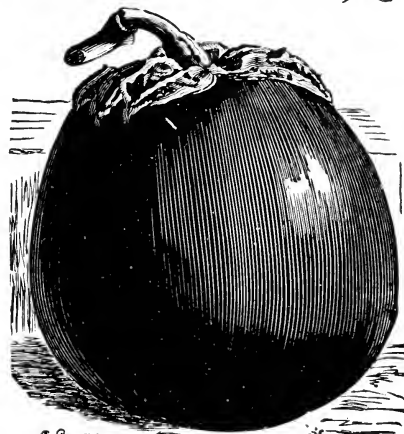
One ounce will produce about 1,000 plants;
 ¼ pound will sow an acre.

For best results, Eggplants require rich soil, moisture and warm weather. Sow in gentle heat from middle of March to middle of April. Transplant from June 1st to June 15th, setting the plants about 3 feet apart each way.

JOHNSON'S LONG PURPLE TOKYO. This is the finest sort for home use. Extra early, surprisingly prolific, quality splendid. Size about 7 inches long and 2 inches in diameter. Pkt., 10 cts.; ½ oz., 40 cts.; oz., 60 cts.; ¼ lb., \$2.00, postpaid.

EARLY BLACK BEAUTY. From ten days to two weeks earlier than the purple varieties, and of rich lustrous purplish black color. It is a distinct sort and a favorite where known. The plants are remarkably healthy in their growth and yield an abundance of large fruits. The fruit is very attractive in appearance. This variety is entirely spineless. Quality the very best. Pkt., 10 cts.; ½ oz., 25 cts.; oz., 40 cts.; ¼ lb., \$1.25, postpaid.

IMPROVED NEW YORK PURPLE. Very solid, of rich shining deep purple color. Pkt., 10 cts.; ½ oz., 25 cts.; oz., 40 cts.; ¼ lb., \$1.25, postpaid.



New York Purple Egg Plant

Dandelion

A hardy perennial. Sow in early spring in drills half an inch deep, and thin to 2 or 4 inches in the row.

IMPROVED THICK LEAF. Pkt., 10 cts.; ½ oz., 45 cts.; oz., 85 cts.; ¼ lb., \$3.00, postpaid.

COMMON. Yields an abundant supply of large succulent leaves. Pkt., 10 cts.; ½ oz., 30 cts.; oz., 50 cts.; ¼ lb., \$1.50, postpaid.

Endive

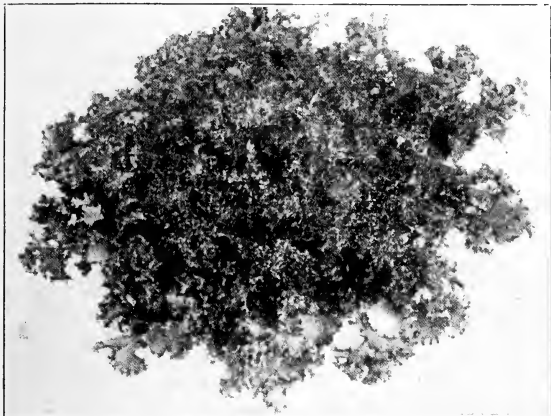
One ounce will sow 150 feet of row; 3 pounds will sow an acre.

One of our best salad plants, especially valuable for winter use. For a first crop, sow about the middle of April; for succession, small sowings may be made every month until August, when the main planting is made. Set out the plants one foot apart.

LARGE GREEN CURLED, WINTER. A hardy, vigorous growing endive with bright deep green leaves. The dense mass of deeply divided leaves formed in the center blanches very readily to a rich cream color. This sort is highly esteemed for the home garden, and is much used for salads. Pkt., 10 cts.; oz., 15 cts.; ¼ lb., 50 cts.; lb., \$1.75, postpaid.

EVERWHITE CURLED. Blanches rapidly and is very tender. Pkt., 10 cts.; oz., 25 cts.; ¼ lb., 65 cts.; lb., \$1.90, postpaid.

BROAD LEAVED BATAVIAN. (Escarolle). Leaves long and broad, thick and succulent. One of the choicest salads. Pkt., 10 cts.; oz., 15 cts.; ¼ lb., 45 cts.; lb., \$1.50, postpaid.



Large Green Curled Endive

Sweet, Pot and Medicinal Herbs

ANISE. (Aromatic). Used medicinally. Pkt., 5 cts.; oz., 15 cts.

ARNICA. (P.). Used medicinally. Pkt., 15 cts.; oz., \$1.00.

BALM. (P.). Leaves used medicinally. Pkt., 10 cts.; oz., 35 cts.

BASIL. (A.). Used for flavoring. Pkt., 10 cts.; oz., 35 cts.

CAMOMILE. (A.). Emetic, vermifuge. Pkt., 15 cts.; oz., \$1.00.

CARAWAY. (A.). Seeds used in confectionery. Pkt., 5 cts.; oz., 20 cts.

CATNIP. (P.). Used medicinally. Pkt., 10 cts.; oz., 70 cts.

CORIANDER. (A.). Used in confectionery. Pkt., 5 cts.; oz., 15 cts.

DILL. (A.). Flavoring pickles. Pkt., 5 cts.; oz., 10 cts.; ¼ lb., 20 cts.

FENNEL, SWEET. (P.). Used for flavoring fish. Pkt., 5 cts.; oz., 15 cts.

FENNEL, FLORENCE. (A.). Used for salads. Pkt., 10 cts.; oz., 30 cts.; ¼ lb., \$1.00.

HOREHOUND. (P.). Used medicinally. Pkt., 10 cts.; oz., 30 cts.

LAVENDER. (P.). Valuable for its perfume. Pkt., 10 cts.; oz., 35 cts.

MARJORAM, SWEET. (P.). For flavoring. Pkt., 10 cts.; oz., 30 cts.

ROSEMARY. (P.). Valuable as a hair wash. Pkt., 10 cts.; oz., 45 cts.

SAGE. (P.). Used for flavoring. Pkt., 10 cts.; oz., 35 cts.

SUMMER SAVORY. (A.). For flavoring. Pkt., 10 cts.; oz., 35 cts.; ¼ lb., \$1.25.

SORREL. (P.). Salads and greens. Pkt., 10 cts.; oz., 20 cts.

THYME. (P.). Used for seasoning. Pkt., 10 cts.; oz., 50 cts.

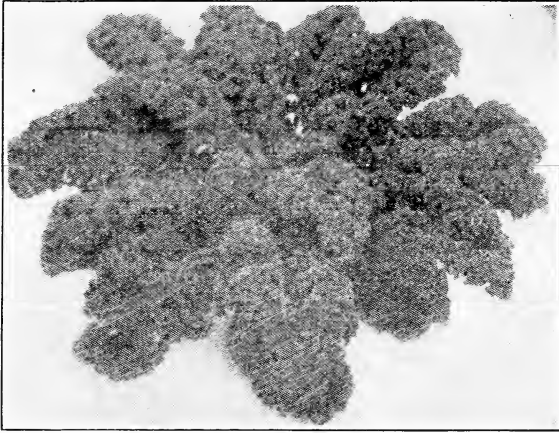
WORMWOOD. Pkt., 10 cts.; ½ oz., 25 cts.; oz., 40 cts.



Lavender. Savory. Rosemary. Thyme. Sage. Chamomile. Arnica. Dill. Marjoram. Fennel.



Johnson's Seeds that Produce



Dwarf Green Curled Kale

Garlic Sets

Garlic Sets or Bulbs are planted in early spring in rows one foot apart, placing the sets 4 inches apart in the rows, 2 inches deep, or in the same manner as multiplier onions. Garlic is used for flavoring purposes. Bulbs, oz., 10 cts.; ¼ lb., 20 cts.; lb., 60 cts., postpaid.

Horseradish Roots

MALINER-KREN. This new variety from Bohemia is larger, earlier and whiter than the common kind. We highly recommend it. Doz., 35 cts.; 50, 85 cts.; 100, \$1.50, postpaid.

Du Pont's Semesan

Controls seed diseases, accelerates germination, stimulates seedling growth, produces sturdier plants, increases crop yields. See page 42.

Kale, or Borecole

Kale, or "German Greens," does not form heads, but furnishes an abundance of pretty curled leaves that are highly prized as food. Sow from the middle of April to the beginning of May; transplant and cultivate like cabbage. Will endure considerable frost without injury. One ounce of seed sows 200 feet of drill; 4 pounds sow an acre.

DWARF GREEN CURLED "GERMAN GREENS," or "SPROUTS." Is very dwarf and spreading. The leaves are beautifully curled and of a bright green color. Hardy. Pkt., 10 cts.; oz., 20 cts.; ¼ lb., 45 cts.; lb., \$1.50, postpaid.

SIBERIAN. Dwarf growth, bluish green leaves. Sow in September, in rows a foot apart; and cultivate the same as spinach; very hardy and makes an excellent spring greens. Pkt., 5 cts.; oz., 10 cts.; ¼ lb., 30 cts.; lb., \$1.00, postpaid.

Kohlrabi (Turnip-Rooted Cabbage)

The turnip-shaped bulb formed above the ground is the edible part. The flavor seems to combine that of cabbage and turnip. When young and tender they are fine for table use, when matured they keep splendidly and are excellent for feeding stock.

One ounce of seed sows 300 feet of row.

EARLY WHITE SHORT-LEAVED. An extremely early sort, with very small tops, thus allowing close planting; flesh white. Fine for forcing. Pkt., 10 cts.; oz., 25 cts.; ¼ lb., 70 cts.; lb., \$2.25, postpaid.

EARLY WHITE VIENNA. Greenish white outside, with clear, white flesh within. Fine in quality. Pkt., 5 cts.; oz., 15 cts.; ¼ lb., 45 cts.; lb., \$1.50, postpaid.

EARLY PURPLE VIENNA. Same as above, except in the outside color. Pkt., 10 cts.; oz., 25 cts.; ¼ lb., 75 cts., postpaid.

Leeks

Cultivate the same as onions.

BROAD SCOTCH, or AMERICAN FLAG. A hardy kind; large, strong plants with broad leaves. Pkt., 10 cts.; ½ oz., 15 cts.; oz., 20 cts.; ¼ lb., 65 cts.; lb., \$2.00, postpaid.

LARGE MUSSELBURGH (Carentan, or Scotch Champion). Favorite market sort of enormous size; large, broad leaves; flavor is very mild. Pkt., 10 cts.; ½ oz., 15 cts.; oz., 25 cts.; ¼ lb., 75 cts.; lb., \$2.25, postpaid.

Lettuce

Culture. For early spring use, sow in a seedbed in September or October, and protect through the winter in coldframes, or in the South with leaves or litter, or sow in a hotbed in early spring. Lettuce plants may also be started very successfully in the house in boxes which are about 5 inches deep. Make soil very fine and firm. Mark off into rows 2 inches apart and ¼ inch deep, into which sow the seed quite thinly; cover with blotting or brown paper fitted into the top of the box. First saturate the paper with water and keep moist until the seed germinates, then remove. Expose the young plants gradually to the light. As soon as the ground outside is dry and warm, so that it can be well worked, set out the plants 8 inches apart in the rows. For outside sow very thinly in rows 1½ feet apart, covering seed ¼ inch deep with fine soil, and when well up thin to 1 foot apart in the rows. In order to have crisp, tender Lettuce, it should be grown as rapidly as possible, therefore the soil should be made very rich by liberal manuring.

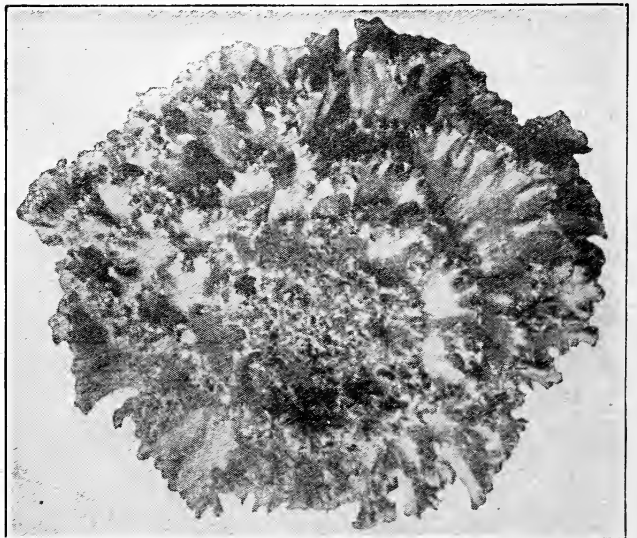
One ounce of seed sows 100 square feet; plants 120 feet of row; produces 3,000 plants.

Selected Grand Rapids

Johnson's Special Forcing Strain. Especially adapted for greenhouse culture in winter; also a good Lettuce to sow outside early in the spring. Our stock of this variety is extra fine and is greenhouse as well as outdoor tested for purity. Grand Rapids does not form a head, but makes large, compact bunches of light, attractively curled and fringed leaves. It grows very rapidly and keeps in good market condition for a long time after cutting. The seeds should be sown more shallow than other sorts, otherwise it may not germinate. Pkt., 10 cts.; oz., 20 cts.; ¼ lb., 65 cts.; lb., \$1.90, postpaid.

Iceberg

Beautiful large curly leaves of light green, with a slight red tinge at the edges. Heads solid, crisp, tender and of fine flavor. Do not confuse with Wonderful; they are entirely different. Pkt., 10 cts.; ½ oz., 15 cts.; oz., 20 cts.; ¼ lb., 65 cts.; lb., \$1.90, postpaid.



Johnson's Special Grand Rapids

Johnson's Seeds that Produce



Lettuce—Continued

Johnson's Crisp-as-Ice

A most beautiful, attractive Lettuce of the cabbage type. The heads are solid, of immense size when well grown, and so exceedingly crisp, tender and brittle as to fully warrant the name "Crisp-as-Ice." The glossy leaves are thick, nicely crimped and curled; the outside leaves are beautifully variegated with dark brown bronze and green. The heads when cut open have a rich, creamy yellow heart. Pkt., 10 cts.; ½ oz., 15 cts.; oz., 25 cts.; ¼ lb., 70 cts.; lb., \$2.25, postpaid.

Wonderful

Sometimes called "New York" or "Los Angeles." This very large heading lettuce is desirable not only for summer use but is much used as a fall market sort. The plant is compact and tight heading; outer leaves attractive deep green, broad, frilled at edges. The inner leaves form a large head; very sweet and tender. Pkt., 10 cts.; ½ oz., 15 cts.; oz., 20 cts.; ¼ lb., 60 cts.; lb., \$2.00, postpaid.

All-Heart

This excellent variety of Lettuce is in favor with both private and market gardeners. It is a very reliable, hard-heading variety of cabbage lettuce and will give satisfaction wherever grown. It rarely fails to make a large, solid head. Withstands heat and forms large heads, leaves closely set, with solid heart, even before it is fully grown. Color yellowish green; flavor rich and buttery. Pkt., 10 cts.; ½ oz., 15 cts.; oz., 20 cts.; ¼ lb., 60 cts.; lb., \$1.90, postpaid.

Johnson's Selected Unrivalled

A selection from Big Boston. Heads are large, solid and of a light green color, shading to creamy white at the center of the head. The quality is fine, having a rich buttery flavor. Very similar in appearance to Big Boston, but does not have the red tinge at the outer edge of the leaf. Pkt., 10 cts.; ½ oz., 15 cts.; oz., 20 cts.; ¼ lb., 65 cts.; lb., \$2.00, postpaid.

Arlington Fancy Curled

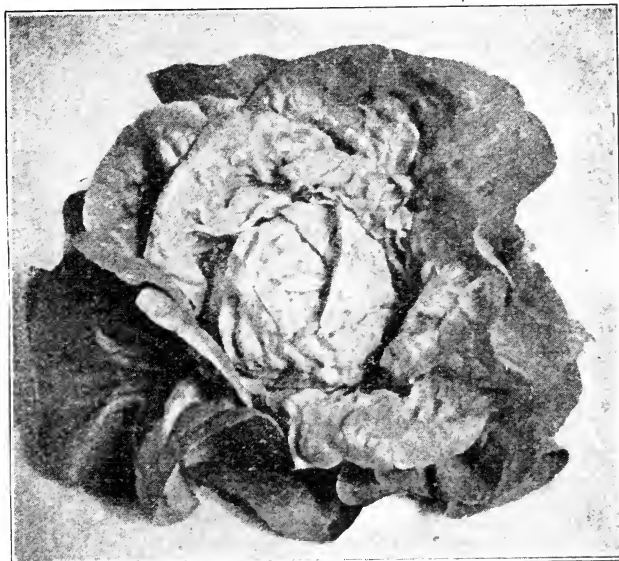
A beautiful variety of the curly-leaf type. It resembles the best stocks of the Grand Rapids, but it is more beautifully curled. It is very true to type, of excellent quality and for garnishing nothing in the Lettuce line excels it. It has a slight tendency to head and averages more weight to the plant. Pkt., 10 cts.; ½ oz., 15 cts.; oz., 25 cts.; ¼ lb., 65 cts.; lb., \$2.00, postpaid.

Ohio Grand Rapids

Large greenhouse growers are making liberal plantings. It is a dark-leaved Grand Rapids and a quick grower. Especially adapted to midwinter crops in greenhouse. Not advised for home gardens. Pkt., 10 cts.; ½ oz., 15 cts.; oz., 25 cts.; ¼ lb., 70 cts.; lb., \$2.15, postpaid.

Black-seeded Simpson

Very popular among market gardeners and fine for the home table. Forms a large, loose head of nearly white curly leaves that are large, thin, very tender and of good quality. Pkt., 10 cts.; ½ oz., 15 cts.; oz., 20 cts.; ¼ lb., 60 cts.; lb., \$1.90, postpaid.



Johnson's Selected Unrivalled

Burpee's Wayahead

A new and very desirable early heading sort for outdoor culture in the home garden. Pkt., 10 cts.; oz., 25 cts.; ¼ lb., 70 cts.; lb., \$2.00, postpaid.

Selected Big Boston

Fine for forcing in cold frames or for early outdoors. Pkt., 10 cts.; oz., 20 cts.; ¼ lb., 50 cts.; lb., \$1.75, postpaid.

Improved Hanson

None more reliable for outdoor cultivation. Heads grow to large size and are very slow to run to seed. Outer leaves are bright green and beautifully frilled on the edges; inner leaves white and deliciously sweet, tender and crisp. Pkt., 10 cts.; ½ oz., 15 cts.; oz., 20 cts.; ¼ lb., 60 cts.; lb., \$1.90, postpaid.

Trianon Cos

(Romaine)

The long, narrow leaves, which form solid heads, blanch and become snowy white. Excels in quality and crispness. Can be eaten in the same manner as celery. Pkt., 10 cts.; ½ oz., 15 cts.; oz., 25 cts.; ¼ lb., 70 cts.; lb., \$2.15, postpaid.

Mustard

Sow thickly during early spring, in shallow drills 12 inches apart. For fall use, sow in September.

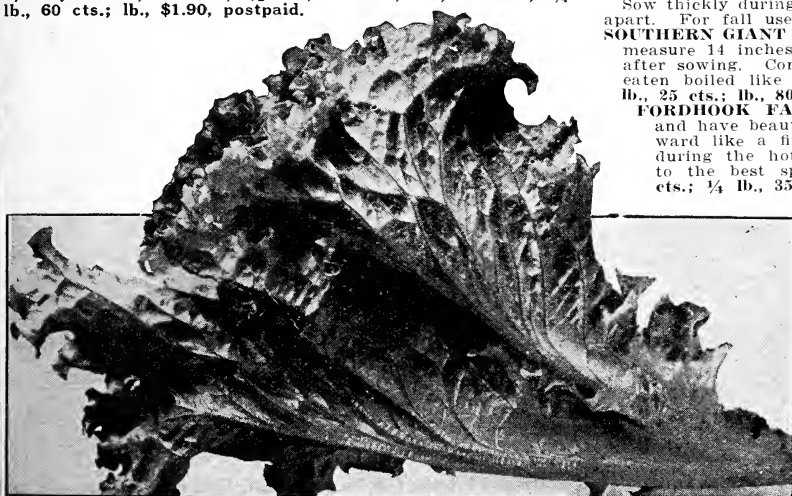
SOUTHERN GIANT CURLED. The large leaves, which often measure 14 inches, are ready for use in about six weeks after sowing. Continues to yield until frost. Leaves are eaten boiled like spinach. Pkt., 5 cts.; oz., 10 cts.; ¼ lb., 25 cts.; lb., 80 cts., postpaid.

FORDHOOK FANCY. Plants are of vigorous growth, and have beautiful dark green leaves which curve outward like a fine ostrich plume. It stands well, even during the hot summer months. It is even superior to the best spinach in flavor. Pkt., 5 cts.; oz., 15 cts.; ¼ lb., 35 cts.; lb., \$1.15, postpaid.

Mushroom Spawn

Have Fresh Mushrooms on Your Table Every Day

PURE CULTURE. (In bricks). The finest quality. This is vastly more dependable than the old style of English Mill-track Spawn and costs but little more. Bricks, 35 cts. each; 10 bricks, \$3.00. Postage, 10 cts. for one brick and 3 cts. each for more than one. Ask for prices for large lots. Free leaflet on Mushroom Culture on request.



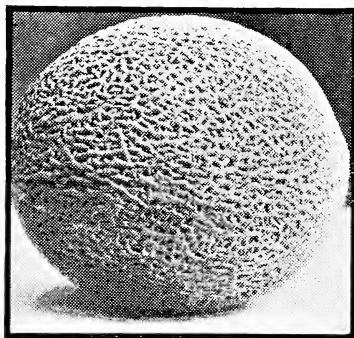
Johnson's Arlington Fancy Curled



Johnson's Seeds that Produce

Muskmelon

One ounce will plant 50 hills; 2 to 3 pounds will plant an acre. After all danger of frost is over, and the ground has become warm and dry, plant in hills 4 to 6 feet apart each way, 6 to 12 seeds to a hill. When up, and all danger of insects has passed, pull out all but 3 plants. Cultivate until the vines cover the ground, and pinch the ends of the growing shoots to induce early fruiting.



Hale's Best

The Lake Champlain Melons I grew from your northern grown seeds were the best I have had since this variety was introduced. C. M. Winslow, Mahoning Co., Ohio.

TIP-TOP. This splendid melon has held its own for many years against all introductions in the melon line, and no yellow-fleshed melon of which we have any knowledge compares with it in good qualities. Fruit of large size and flesh bright salmon in color; slightly oblong, even ribbed, moderately netted; very productive. Originator's Strain, pkt., 10 cts.; oz., 15 cts.; ¼ lb., 45 cts.; lb., \$1.40, postpaid.

ROCKY FORD or NETTED GEM. This is a vigorous, medium-early variety. Fruits are oval, slightly ribbed, and covered with fine netting. The flesh is thick, green, and highly flavored. Pkt., 10 cts.; oz., 15 cts.; ¼ lb., \$1.40, postpaid.

EXTRA-EARLY OSAGE. A week to ten days earlier than the old type Osage, and nearly as large. Flesh very thick, salmon colored, and of high quality; form, color and general appearance similar to Osage. Pkt., 10 cts.; oz., 15 cts.; ¼ lb., 45 cts.; lb., \$1.50, postpaid.

EMERALD GEM. Ripens early. Medium-sized, nearly round melon, with delicate light salmon flesh, very thick, fine-grained, and of superb flavor. The rind is thin, dark green, ribbed, slightly netted. One of the best for home use. Pkt., 10 cts.; oz., 15 cts.; ¼ lb., 45 cts.; lb., \$1.30, postpaid.

OHIO SUGAR. Distinctly ribbed and well netted—color of skin gray-green. The firm flesh is an attractive green of exquisite texture, sugary, juicy, tender, and free from stringiness; seed cavity is small. Uniform shape. A market and home garden melon. Pkt., 10 cts.; oz., 15 cts.; ¼ lb., 45 cts.; lb., \$1.40, postpaid.

OSAGE. Large, oval, slightly ribbed and netted; skin very dark green; flesh very thick and sweet, delicious to the rind. Crop very even and fruit extra heavy. A favorite main-crop variety for market purposes or home garden. Pkt., 10 cts.; oz., 15 cts.; ¼ lb., 45 cts.; lb., \$1.40, postpaid.

HEARTS OF GOLD. Within late years this variety has become very popular in some of the melon-growing districts. It is an excellent shipping melon and will reach the market in first class condition. The fruits are very uniform, somewhat flattened, about 6 inches in diameter and 5 inches in depth. They weigh about 2 lbs. each. The flesh is a beautiful salmon shade. It is very thick, ripens close to the rind, and is of delicious flavor. Pkt., 10 cts.; oz., 20 cts.; ¼ lb., 60 cts.; lb., \$2.00, postpaid.

Two Fine Early Melons (New)

LAKE CHAMPLAIN. If your season is a short one, or if you want to get the first melons to your market from your section, use Lake Champlain. Those Muskmelons which are commonly planted take from 70 to 90 days to mature. This one will be ready far ahead of any of them, and is the earliest we have seen. It is very productive, as is evidenced by one grower's crop of 1,975 half-bushel baskets to the acre. The plant is very vigorous and healthy, setting and ripening melons rapidly even under adverse conditions. The melons are medium-sized, of the Hackensack shape, and nicely netted. The flesh is deep, very sweet and a beautiful golden yellow color. Pkt., 10 cts.; oz., 15 cts.; ¼ lb., 45 cts.; lb., \$1.50, postpaid.

HALE'S BEST. This is a new variety and originated in the Imperial Valley in California. It is a remarkably early melon of very fine flavor. The salmon flesh is exceptionally thick with very small seed cavity. The fruits are oval, about 8 by 4½ inches, with a heavy netting and ribs hardly apparent. Will be of real value as an early shipping melon. Pkt., 10 cts.; oz., 20 cts.; ¼ lb., 45 cts.; lb., \$1.50, postpaid.

BANANA. Very odd; 18 to 21 inches long. Yellow flesh, blending from bright green to rich salmon, fragrant and of very fair quality. Early. Pkt., 10 cts.; oz., 15 cts.; ¼ lb., 45 cts.; lb., \$1.55, postpaid.

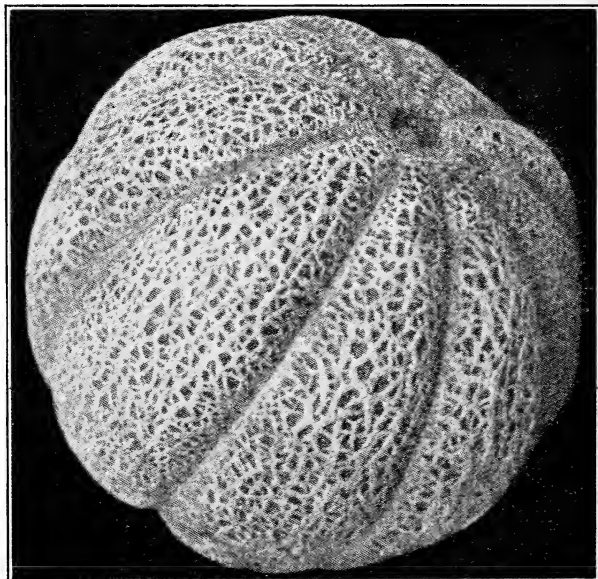
HONEY BALL. As round as a ball. Thick, sweet green flesh and small seed cavity. A wonderful shipping melon. Pkt., 10 cts.; oz., 20 cts.; ¼ lb., 45 cts.; lb., \$1.50, postpaid.

HONEY DEW. Sweet as honey. Melons average 6 inches in diameter, and weigh five to six pounds. Skin smooth, little netting, creamy yellow when ripe; flesh very thick, melting, fine-grained. Pkt., 10 cts.; oz., 20 cts.; ¼ lb., 40 cts., postpaid.

Forcing Muskmelons

SUTTON'S WINDSOR CASTLE. (English Forcing). The best green fleshed variety for greenhouse. Pkt., 25 cts., postpaid.

CARTER'S BLENHEIM ORANGE. (English Forcing). The best scarlet fleshed variety for the greenhouse. Pkt., 25 cts., postpaid.



Early Lake Champlain Muskmelon

Use HOTKAPS to Protect Your Plants

See page 1.

ALL VEGETABLE SEEDS in quantities offered in this Catalog are FORWARDED TRANSPORTATION PAID anywhere in the United States, we reserving the privilege of shipping either by PARCEL POST, EXPRESS OR FREIGHT.



Watermelon

One ounce will plant about 20 hills;
3 to 4 pounds will plant an acre.

HARRIS' EARLIEST. The finest of all the early maturing melons of medium size and oblong shape. The vine is productive and a sure cropper, the melons maturing early. Adapted to the northern states. Pkt., 5 cts.; oz., 10 cts.; ¼ lb., 25 cts.; lb., 70 cts., postpaid.

KLECKLEY SWEET. A new melon. Very popular. Long, dark; exquisite quality. Pkt., 5 cts.; oz., 10 cts.; ¼ lb., 25 cts.; lb., 70 cts., postpaid.

COLE'S EARLY. Large heart, flesh of fine texture and good flavor and a good variety for our northern states. Pkt., 5 cts.; oz., 10 cts.; ¼ lb., 25 cts.; lb., 70 cts., postpaid.

TOM WATSON. A large oblong melon that has become a great favorite everywhere. The flesh is bright red of delicious flavor. Pkt., 5 cts.; oz., 10 cts.; ¼ lb., 20 cts.; lb., 60 cts., postpaid.

PRESERVING CITRON. Red-seeded. Most desirable for preserves; flesh solid and white. Pkt., 5 cts.; oz., 10 cts.; ¼ lb., 25 cts.; lb., 80 cts., postpaid.

Selected Onion Seed

Sow the seed as early in the spring as the ground can be worked, in drills fourteen inches apart, covering with soil about one-half inch. Begin cultivating as soon as the rows can be seen and keep the ground thoroughly clean, for once onions are choked by weeds they never produce as good or as full a crop. Above all, plant good onion seed.

One ounce will sow 100 feet of row; 5 pounds will sow an acre.

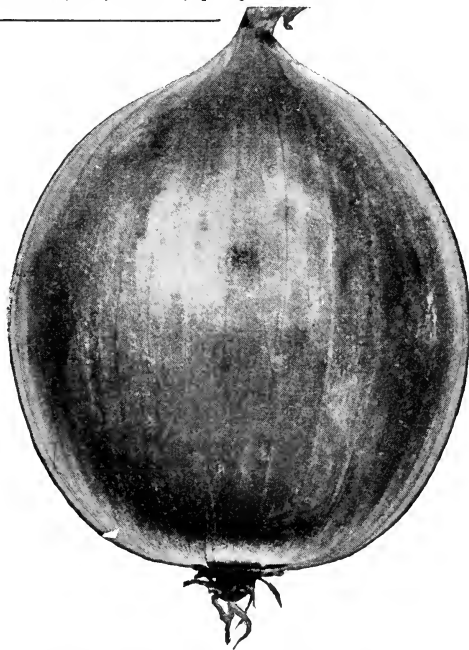
JOHNSON'S SELECTED OHIO YELLOW GLOBE. The strain is distinguished by a distinct attractive shape and a handsome bright, even yellow color—ripens early and all at once; neck very small, and cures down to almost nothing. The firm, solid bulbs are excellent winter keepers, and all that can be desired in size and quality. This is a superb onion for all classes of soil and especially good for all northern Ohio onion sections on account of quick maturing. Pkt., 10 cts.; ½ oz., 15 cts.; oz., 25 cts.; ¼ lb., 70 cts.; lb., \$2.40, postpaid.

AILSA CRAIG. See also page 41. Pkt., 10 cts.; oz., 25 cts.; ¼ lb., 80 cts.; lb., \$2.70, postpaid.

YELLOW GLOBE DANVERS. This produces well-ripened bulbs, averaging 2 inches in diameter and nearly globe-shaped. The skin is a light golden brown or pale yellow, and the flesh is pure white, crisp, and mild in flavor. An excellent variety. Pkt., 10 cts.; oz., 20 cts.; ¼ lb., 60 cts.; lb., \$2.00, postpaid.

SOUTHPORT YELLOW GLOBE (Special Connecticut-Grown). Our Connecticut-grown strain matures evenly and produces true globe-shaped onions. The color of the skin is a bright golden yellow. The flesh is pure white, mild, solid and juicy. It is a splendid keeper. Pkt., 10 cts.; oz., 25 cts.; ¼ lb., 65 cts.; lb., \$2.25, postpaid.

SOUTHPORT WHITE GLOBE (Special Connecticut-Grown). The large bulbs have a pure paper-white skin. The flesh is also pure white, sweet, juicy and of a most delightful mild flavor. Pkt., 10 cts.; ½ oz., 20 cts.; oz., 30 cts.; ¼ lb., 85 cts.; lb., \$3.00, postpaid.



Johnson's Selected Ohio Yellow Globe Onion

SOUTHPORT RED GLOBE (Special Connecticut-Grown). In some sections the Southport Red Globe is a most favorite color of this popular type. They mature early and ripen with a thin neck. The skin is a bright and rich crimson. The flesh is white, slightly tinted with light rose near the skin. Pkt., 10 cts.; ½ oz., 15 cts.; oz., 25 cts.; ¼ lb., 70 cts.; lb., \$2.20, postpaid.

MAMMOTH SILVER KING. Large flat and thick bulbs. They measure 5 to 7 inches in diameter and weigh 2 to 3 pounds each. The skin is clear white and the flesh is snow-white, sweet and tender. Pkt., 10 cts.; oz., 25 cts.; ¼ lb., 75 cts.; lb., \$2.50, postpaid.

MAMMOTH YELLOW PRIZETAKER. Prizetaker is an onion that has proved to do well in all sections of the country under varied conditions of climate and soil. The bulbs grow to extra large size, weighing as much as 4 pounds each. They often measure over 4 inches in diameter. The thin skin is a beautiful golden brown and the flesh is pure white, solid, crisp, juicy and mild. Pkt., 10 cts.; oz., 25 cts.; ¼ lb., 75 cts.; lb., \$2.50, postpaid.

WHITE PORTUGAL or SILVER SKIN. Very early, flat, white sort. Mild flavor. Largely used for growing sets. Pkt., 10 cts.; ½ oz., 15 cts.; oz., 25 cts.; ¼ lb., 80 cts.; lb., \$2.75, postpaid.

EARLIEST WHITE QUEEN (Barletta). Also known in the south as White Pearl. This is the best of all for small pickles and the earliest ripening onion in cultivation. The bulbs are very small, averaging only 1½ inches in diameter. Pkt., 10 cts.; ½ oz., 15 cts.; oz., 25 cts.; ¼ lb., 75 cts.; lb., \$2.60, postpaid.

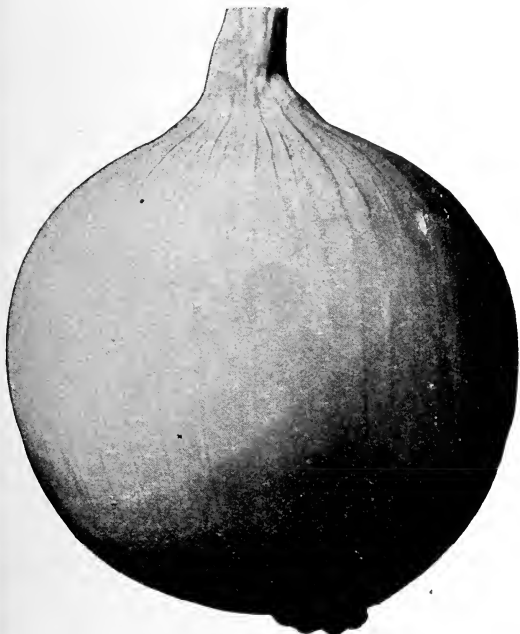
WHITE WELSH OR ENGLISH. A distinct variety which does not form a bulb like other onions, but a small enlargement at the base of each shoot. Leaves are pinkish white and delicately flavored. Good for bunching. Pkt., 10 cts.; ½ oz., 15 cts.; oz., 40 cts.; ¼ lb., \$1.00; lb., \$3.00, postpaid.

Onion Sets

WHITE BOTTOM SETS. Mild. Very popular. Qt., 35 cts.

YELLOW BOTTOM SETS. Preferred by many on account of stronger flavor. Qt., 35 cts.

EGYPTIAN WINTER SETS. Plant in August and September for use late in fall and following spring. Very hardy. Qt., 25 cts.



Mammoth Yellow Prizetaker Onion



Johnson's Seeds that Produce

Parsnips

Parsnips are of the easiest culture and require a full season to come to maturity. Seed of the long varieties should be sown early in spring up to May 15. Early Short Round matures quicker and gives a full crop planted as late as June 1. The roots may be left outdoors all winter, or they may be stored in a cool, well-ventilated cellar, packed in boxes filled with slightly moist soil. Grow plenty of parsnips for winter storing. They are very nutritious. One ounce for 300 feet of row. Sown at the rate of 4 to 6 pounds per acre.

Improved American Hollow Crown

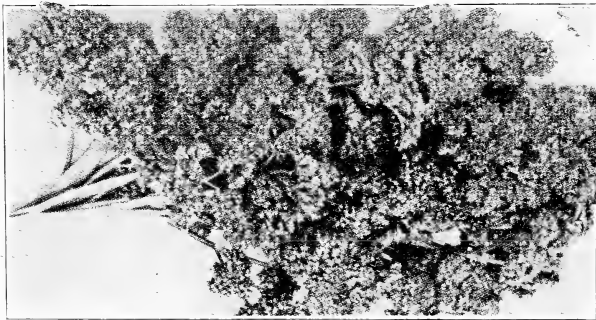
Also known as **Guernsey** or **Large Sugar**. This grows longer than the preceding variety, but does not have as broad a shoulder. The roots are long and tapering, requiring a deeply worked soil to develop to perfection. It is a widely known variety, 15 inches long and 3 inches in diameter at the shoulder. Pkt., 10 cts.; oz., 15 cts.; ¼ lb., 25 cts.; lb., 80 cts.; 2 lbs., \$1.50; 5 lbs., \$3.50, postpaid.

Okra or Gumbo

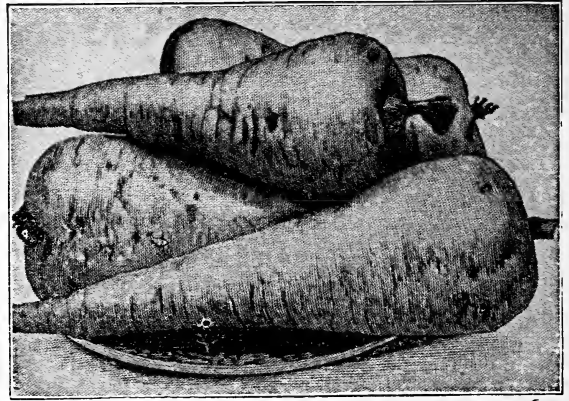
Sow after the middle of May, or early in June, in rich soil in drills about an inch deep and 3 feet apart; thin out to 8 inches.

WHITE VELVET. Tender white pods, of smooth and velvety appearance. Pkt., 5 cts.; oz., 10 cts.; ¼ lb., 25 cts.; lb., 65 cts., postpaid.

PERKINS' MAMMOTH. The long green pods measuring 4 to 5 inches are produced in great quantities. Pkt., 5 cts.; oz., 10 cts.; ¼ lb., 30 cts.; lb., 65 cts., postpaid.



Champion Moss Curled Parsley



Improved American Hollow Crown Parsnips

Parsley

One ounce will sow 150 feet of row; 3 pounds will sow an acre.

Culture. Soak seed for several hours and sow in border or frame. Thin the rows or transplant to 8 inches each way.

JOHNSON'S NEW BOUQUET. (See cut page 41). Pkt., 10 cts.; ½ oz., 20 cts.; oz., 35 cts.; ¼ lb., \$1.00, postpaid.

CHAMPION MOSS CURLED. A choice selected strain, with crimped and curled leaves. Pkt., 5 cts.; oz., 15 cts.; ¼ lb., 45 cts.; lb., \$1.40, postpaid.

HAMBURG TURNIP-ROOTED. The root, which resembles a small parsnip, is the edible portion of this variety. Extensively grown and used for flavoring soups, etc. Pkt., 5 cts.; oz., 15 cts.; ¼ lb., 45 cts.; lb., \$1.35, postpaid.

Peanuts

NEW MAMMOTH BUSH. These nuts make compact bushes eighteen inches high, with heavy, erect stalks. They produce a large quantity of the mammoth nuts, especially in light or sandy soils. Large pkt., 10 cts.; ¼ lb., 20 cts.; lb., 50 cts.; ½ pt., 20 cts.; pt., 35 cts.; qt., 60 cts.

SWEET SPANISH. The earliest variety grown. Pods are small, remarkably solid, well filled and of an extra fine quality. Large pkt., 10 cts.; ¼ lb., 15 cts.; lb., 40 cts., postpaid.

PUMPKIN

One ounce will plant about 25 hills; 4 pounds will plant an acre.

Culture like Melons, but the soil need not be so rich and the hills should be planted farther apart.

SMALL SWEET (Sugar). This is the small, sweet Pumpkin that has made the New England States famous for their pumpkin pies. The flesh is very fine-grained, most deliciously sweet flavored, and a splendid keeper. 10 inches in diameter and deep orange yellow color. Pkt., 5 cts.; oz., 15 cts.; ¼ lb., 30 cts.; lb., \$1.00, postpaid.

GENUINE MAMMOTH (True Potiron; King of the Mammoths). Of immense size (often 2 feet in diameter and sometimes weighs 150 pounds); with depressed ends and slightly ribbed salmon color skin; flesh bright yellow. Pkt., 10 cts.; oz., 15 cts.; ¼ lb., 35 cts.; lb., \$1.25, postpaid.

LARGE SWEET (Kentucky Field). A large, round, flattened Pumpkin. It grows 1 to 2 feet in diameter and has thick orange flesh of extra fine quality. A splendid sort for canning. Used extensively for stock feeding. Pkt., 10 cts.; oz., 15 cts.; ¼ lb., 20 cts.; lb., 65 cts., postpaid.

COMMON YELLOW FIELD (Yankee Cow; Conn. Field). The common variety cultivated by farmers for stock feeding, and is used to some extent for canning. Very productive. Same color as Small Sugar but not as sweet. Pkt., 5 cts.; oz., 10 cts.; ¼ lb., 25 cts.; lb., 70 cts., postpaid.



Small Sweet or Sugar Pumpkin



JOHNSON'S GARDEN PEAS

Two pounds will plant 100 feet of row; 120 pounds will plant an acre. Peas mature earliest in a light, rich soil; for general crop, a rich deep loam is the best. When grown in gardens, sow in double rows six to eight inches apart, the rows two to four feet apart, the tall ones requiring brush. Commence sowing Alaska and First and Best as early as the ground can be worked in February or March, and continue with other sorts for a succession every two weeks until June. One quart for 8 rows 10 feet long. See page 42 for new varieties.

Earliest Varieties

NEW EIGHT WEEKS. (See page 42). Pkt., 15 cts.; $\frac{1}{2}$ lb., 40 cts.; lb., 65 cts.; 2 lbs., \$1.10; 10 lbs., \$4.50, postpaid.

NEW HUNDREDFOLD. (See page 42). Pkt., 15 cts.; $\frac{1}{2}$ lb., 40 cts.; lb., 65 cts.; 2 lbs., \$1.10; 10 lbs., \$4.50, postpaid.

JOHNSON'S PRIZEWINNER. (See page 42).

EXTRA EARLY ALASKA. The earliest of all smooth blue Peas. It grows about 30 inches tall and is very uniform in maturing the crop. The Peas are of good quality and retain that desirable green color after cooking. Pkt., 10 cts.; $\frac{1}{2}$ lb., 20 cts.; lb., 35 cts.; 2 lbs., 60 cts.; 10 lbs., \$2.40, postpaid.

GRADUS OR PROSPERITY. An extra early wrinkled Pea, hardy, early and profitable. This remarkable Pea is one of the most widely known varieties in cultivation. The vine is about 24 inches in height on good soil. The pods are borne abundantly. As many as 8 to 10 peas of the largest size and most luscious quality are found in each pod. Pkt., 10 cts.; $\frac{1}{2}$ lb., 30 cts.; lb., 50 cts.; 2 lbs., 80 cts.; 10 lbs., \$3.50, postpaid.

AMERICAN WONDER. Esteemed for earliness and quality. It grows about 10 inches high, and produces pods about $2\frac{1}{2}$ inches long, which are filled with the fine flavored peas. Pkt., 10 cts.; $\frac{1}{2}$ lb., 20 cts.; lb., 35 cts.; 10 lbs., \$3.00, postpaid.

NOTT'S EXCELSIOR. An improvement on American Wonder, being as early and pods much larger. Height, 14 inches. Pkt., 10 cts.; $\frac{1}{2}$ lb., 25 cts.; lb., 40 cts.; 2 lbs., 75 cts.; 10 lbs., \$3.00, postpaid.

BLUE BANTAM. (New.) Similar to Laxtonian. Said to be an improvement on all the large-podded dwarf Peas. Grows 15 inches high with fine, dark foliage, pods and peas. Pods 4 inches long with 8 peas of fine quality. Pkt., 10 cts.; $\frac{1}{2}$ lb., 25 cts.; lb., 45 cts.; 2 lbs., 80 cts.; 10 lbs., \$3.75, postpaid.

PETER PAN. Produces large, dark green pods filled with peas of fine quality. Has vigorous, large, dark foliage and stands about 15 to 18 inches in height. Pkt., 10 cts.; $\frac{1}{2}$ lb., 25 cts.; lb., 40 cts.; 2 lbs., 75 cts.; 10 lbs., \$3.25, postpaid.

LITTLE MARVEL. This Pea has been rightly named. It is an early wrinkled sort, grows about 12 to 15 inches tall, and bears heavily. There is no earlier wrinkled Pea and the quality satisfies everybody. Adapted to home gardens. Pods dark green, 3 inches long, round with square ends, and often contain seven rich dark green peas. Pkt., 10 cts.; $\frac{1}{2}$ lb., 25 cts.; lb., 40 cts.; 2 lbs., 70 cts.; 10 lbs., \$3.00, postpaid.

LAXTONIAN. This is a giant-podded, early dwarf Pea having large, dark green pods and Peas of finest quality. Is taking the place of Peter Pan and Pioneer. Pkt., 10 cts.; $\frac{1}{2}$ lb., 30 cts.; lb., 50 cts.; 2 lbs., 85 cts.; 10 lbs., \$3.75, postpaid.

SUTTON'S EXCELSIOR. The finest early large podded dwarf wrinkled Pea. $1\frac{1}{2}$ feet. Pkt., 10 cts.; $\frac{1}{2}$ lb., 20 cts.; lb., 35 cts.; 2 lbs., 75 cts.; 10 lbs., \$3.25, postpaid.

THOMAS LAXTON. The vine grows about 3 feet high. Pods large, 4 inches long, with square ends, uniformly well filled. Yields more shelled Peas than Gradus. The green Peas are very large, fine colored and unsurpassed in quality. Pkt., 10 cts.; $\frac{1}{2}$ lb., 25 cts.; lb., 45 cts.; 2 lbs., 75 cts.; 10 lbs., \$3.25, postpaid.

Second Early and Medium Varieties

DWARF TELEPHONE. Pods containing 8 to 9 large wrinkled Peas equal to Telephone pods. Sometimes called Carter's Daisy. Pkt., 10 cts.; $\frac{1}{2}$ lb., 25 cts.; lb., 40 cts.; 2 lbs., 75 cts.; 10 lbs., \$3.25, postpaid.

ALDERMAN. A remarkably strong growing main crop variety of the Telephone type, with enormous dark green pods, containing 8 to 10 large wrinkled Peas of immense size; very tender and luscious. 4 to 5 feet high. Pkt., 10 cts.; $\frac{1}{2}$ lb., 25 cts.; lb., 40 cts.; 2 lbs., 75 cts.; 10 lbs., \$3.25, postpaid.

TELEPHONE. Immensely productive, finest quality. The pods are of large size, containing 6 to 7 Peas of pale green color, of delicious flavor. $3\frac{1}{2}$ feet. Pkt., 10 cts.; $\frac{1}{2}$ lb., 25 cts.; lb., 40 cts.; 2 lbs., 75 cts.; 10 lbs., \$3.25, postpaid.

General and Late Crop Peas

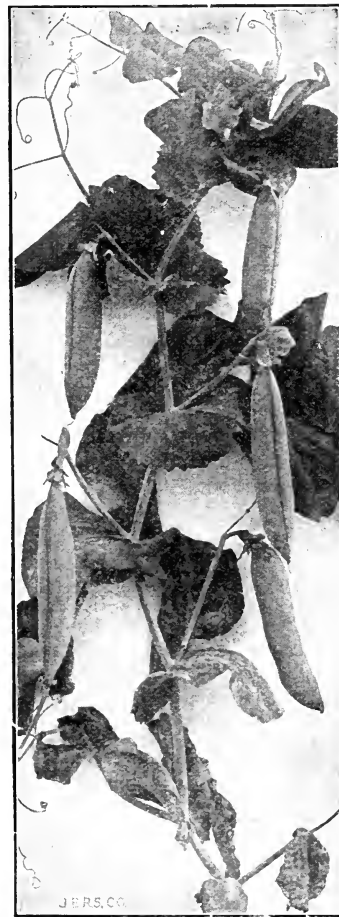
JOHNSON'S NEW PRIZEWINNER. (See page 42.) Pkt., 15 cts.; $\frac{1}{2}$ lb., 35 cts.; lb., 60 cts.; 2 lbs., \$1.00; 10 lbs., \$3.50, postpaid.

POTLATCH. The vines require no brushing, the pods are immense in size and fullness, and packed with Peas that are sweet and rich flavored. Pkt., 10 cts.; $\frac{1}{2}$ lb., 25 cts.; lb., 40 cts.; 2 lbs., 75 cts.; 10 lbs., \$3.25, postpaid.

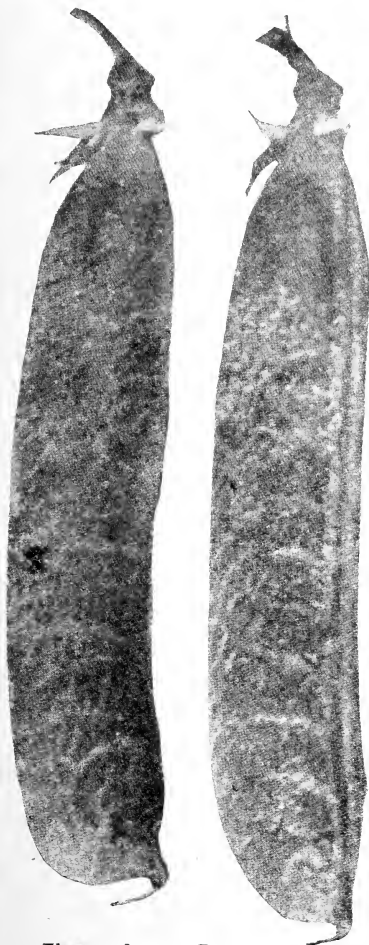
IMPROVED STRATAGEM. Pods of immense size, filled with very large, dark green Peas of the finest quality. Height, 18 inches. Pkt., 10 cts.; $\frac{1}{2}$ lb., 25 cts.; lb., 40 cts.; 2 lbs., 75 cts.; 10 lbs., \$3.25, postpaid.

CHAMPION OF ENGLAND. A popular wrinkled variety of delicious flavor; profuse bearer. Peas are large and very tender. 5 feet. Pkt., 10 cts.; $\frac{1}{2}$ lb., 25 cts.; lb., 40 cts.; 2 lbs., 70 cts.; 10 lbs., \$3.00, postpaid.

MELTING SUGAR. Edible podded. Pkt., 10 cts.; $\frac{1}{2}$ lb., 30 cts.; lb., 50 cts.; 2 lbs., 85 cts.; 10 lbs., \$3.25, postpaid.



Alderman Peas



Thomas Laxton Peas



Johnson's Seeds that Produce

Johnson's Peppers

In the latitude of Cleveland, sow the seed in hotbeds in early March. Thin out or transplant the seedlings when they are 2 inches high, giving them plenty of room to develop sturdy plants. When the weather is settled and the soil warm, transfer them to the open ground, setting them about 2 feet apart in rows 3 feet apart. A rich, mellow, well-drained soil is best. The fruits are used in both the green and ripe stages for making all sorts of pickles. The large-fruited varieties are desirable for stuffing. An ounce of seed will produce about 1,000 plants.

EARLY GIANT. This is a new valuable Pepper for both home-garden and market. It is very large, 5 inches high and $3\frac{1}{2}$ inches through, dark green turning bright red. The flesh is thick and has a mild pleasant flavor. The earliest large-fruited variety and requires a short season. Pkt., 15 cts.; $\frac{1}{2}$ oz., 25 cts.; oz., 45 cts.; $\frac{1}{4}$ lb., \$1.50; lb., \$5.50, postpaid.

HARRIS' EARLIEST. This new very early sort is well adapted for the home-garden. The sturdy plant, growing only 10 to 14 inches high, permits close planting in rows $1\frac{1}{2}$ feet apart, and Peppers will be ripe early in August. Each plant is literally burdened with Peppers, some having as many as 14. The fruits are 3 to $3\frac{1}{2}$ inches long and 2 to $2\frac{1}{2}$ inches in diameter, and of very mild fine flavor. Harris' Earliest fruits much earlier than other sorts. Pkt., 15 cts.; $\frac{1}{2}$ oz., 25 cts.; oz., 45 cts.; $\frac{1}{4}$ lb., \$1.50; lb., \$5.50, postpaid.

OSHKOSH. A very distinct, desirable, large variety. While the fruit is bright canary-yellow at maturity, during growth it is an intense, deep glossy green, making an attractive sort to market as "green Peppers." Fruits distinctively formed, being smooth, without lobes, $4\frac{1}{2}$ inches in length by $3\frac{1}{2}$ inches in diameter, broad at the base and tapering to an abrupt, blunt point; mild and exceptionally sweet. Semi-dwarf compact plant, very productive, of Ruby King season. Pkt., 15 cts.; $\frac{1}{4}$ oz., 20 cts.; $\frac{1}{2}$ oz., 35 cts.; oz., 60 cts.; $\frac{1}{4}$ lb., \$2.00, postpaid.

SUNNYBROOK. Of the Pimiento type, averaging 3 inches in diameter and 2 inches deep, rich, deep scarlet in color, produced in clusters of four or five, on bushes 15 inches high and 20 inches broad. Very prolific and mild. Pkt., 10 cts.; $\frac{1}{2}$ oz., 20 cts.; oz., 30 cts.; $\frac{1}{4}$ lb., \$1.00, postpaid.

CALIFORNIA WONDER

A brand-new Pepper in a class by itself. A very striking sort of large size and having wonderfully thick flesh—often $\frac{1}{4}$ to $\frac{3}{8}$ inch thick—which is deliciously crisp, tender and sweet, like the finest pimientos. In color it is a brilliant dark green, changing to crimson when ripe, and is of uniform shape and smoothness. Pkt., 15 cts.; $\frac{1}{4}$ oz., 20 cts.; $\frac{1}{2}$ oz., 35 cts.; oz., 60 cts.; $\frac{1}{4}$ lb., \$2.00, postpaid.

JOHNSON'S EARLIEST MANGO. The flavor is very mild, so that the peppers may be eaten like an apple. In an average season Johnson's Earliest will produce five times as many peppers as any other sweet kind, and they mature much earlier. Pkt., 10 cts.; $\frac{1}{4}$ oz., 25 cts.; $\frac{1}{2}$ oz., 45 cts.; oz., 85 cts.; $\frac{1}{4}$ lb., \$2.00, postpaid.

OHIO CRIMSON. The sweetest and biggest Mango pepper. Robust, stocky and a sure cropper. The fruit is extra large and heavy, owing to thick flesh. It is very mild. Pkt., 10 cts.; $\frac{1}{2}$ oz., 25 cts.; oz., 45 cts.; $\frac{1}{4}$ lb., \$1.40; lb., \$5.00, postpaid.

CHINESE GIANT. It is of mammoth size, splendid shape, 4 to 5 inches broad and of equal height, beautiful, rich, glossy, bright red flesh and mild flavor. Its strong, bushy plants are productive of large fruits. Pkt., 10 cts.; $\frac{1}{2}$ oz., 25 cts.; oz., 45 cts.; $\frac{1}{4}$ lb., \$1.50; lb., \$5.00, postpaid.

MAMMOTH RUBY KING. Its splendid size and handsome appearance make this pepper sell most readily. The plants are vigorous, very bushy, growing about 2 feet in height, well branched, thickly set with large fruits, some 5 to 6 inches long by about 3 inches thick. Pkt., 10 cts.; $\frac{1}{2}$ oz., 20 cts.; oz., 30 cts.; $\frac{1}{4}$ lb., \$1.00; lb., \$3.25, postpaid.

RUBY GIANT. A variety somewhat similar to Ruby King, but the fruits are larger and a little broader at the blossom end. The flesh is very thick, firm and mild. Pkt., 10 cts.; $\frac{1}{2}$ oz., 20 cts.; oz., 35 cts.; $\frac{1}{4}$ lb., \$1.35; lb., \$4.50, postpaid.

LARGE BELL or BULLNOSE (Sweet Mountain). An early variety and of mild flavor. It is of medium size with skin fairly thick and fleshy. Pkt., 10 cts.; $\frac{1}{2}$ oz., 20 cts.; oz., 30 cts.; $\frac{1}{4}$ lb., 85 cts.; lb., \$3.00, postpaid.



World Beater

WORLD BEATER. The shape is like Ruby King and the size almost equal to Chinese Giant but not so broad. A vigorous grower, sure cropper, and very prolific. The fruit is a beautiful scarlet, exceedingly mild; flesh thick and firm, making an excellent shipper. Our seed is from the originator. Pkt., 10 cts.; $\frac{1}{2}$ oz., 20 cts.; oz., 30 cts.; $\frac{1}{4}$ lb., 90 cts.; lb., \$3.25, postpaid.

IMPROVED THICK LONG RED. A great improvement on the ordinary Long Red Cayenne, with handsome bright red pods of about the same length, but much thicker. The flesh is thick and very hot. Exceedingly prolific. Pkt., 10 cts.; $\frac{1}{2}$ oz., 25 cts.; oz., 45 cts.; $\frac{1}{4}$ lb., \$1.30; lb., \$4.50, postpaid.

SWEET SALAD or PIMIENTO ("Perfection"). Fine for the home garden, both green and ripe. It is smooth and uniform, heart-shaped, beautiful scarlet when ripe. The meat is thick, very sweet and delicious. Very productive. Pkt., 10 cts.; $\frac{1}{2}$ oz., 25 cts.; oz., 40 cts.; $\frac{1}{4}$ lb., \$1.00, postpaid.

TOMATO-SHAPED (Pimiento). This thick-meated sort has mild-flavored brilliant red flesh. Comes early and is productive. Smaller than Sunnybrook. Pkt., 10 cts.; $\frac{1}{2}$ oz., 20 cts.; oz., 30 cts.; $\frac{1}{4}$ lb., \$1.00, postpaid.

SMALL CAYENNE (Red Chili). Pods $1\frac{1}{2}$ inches long; very hot. Used for making pepper sauce. Pkt., 10 cts.; $\frac{1}{2}$ oz., 20 cts.; oz., 35 cts.; $\frac{1}{4}$ lb., \$1.15, postpaid.

LONG RED CAYENNE. Three to 4 inches long, quite narrow and hot. Pkt., 10 cts.; $\frac{1}{2}$ oz., 20 cts.; oz., 35 cts.; $\frac{1}{4}$ lb., \$1.15, postpaid.

Yellow Peppers

JOHNSON'S LONG YELLOW HUNGARIAN. Introduced by us in 1923. Averaging 2 inches thick at the shoulder and tapering to about 5 inches in length. Color a golden yellow. Used extensively among Hungarian and Bohemian gardeners. Rather hot. Pkt., 10 cts.; $\frac{1}{2}$ oz., 30 cts.; oz., 55 cts.; $\frac{1}{4}$ lb., \$2.00.

SUNBURST. The best large-fruited yellow pepper. Fruits resemble Ruby King in size and shape, but are bright yellow when ripe, thick-fleshed and mild. Pkt., 10 cts.; $\frac{1}{2}$ oz., 45 cts.; oz., 80 cts.; $\frac{1}{4}$ lb., \$2.75, postpaid.

GOLDEN QUEEN. A large, sweet pepper which ripens bright yellow instead of red. Fruits like Bull Nose; thick-fleshed and very sweet. Pkt., 10 cts.; $\frac{1}{2}$ oz., 25 cts.; oz., 45 cts.; $\frac{1}{4}$ lb., \$1.50; lb., \$5.00, postpaid.



Radish

One ounce will sow 100 feet of row; 8 pounds will sow an acre in drills; 12 pounds broadcast.

To be crisp and tender, Radishes must grow quickly; whenever growth is checked by drought or cold weather, they become tough and pithy. Rich, light, sandy soil suits them best. For the forcing crop, sow seeds in hotbeds in rows 5 to 6 inches apart and thin the plants as the ground becomes warm. Seed of winter varieties should be sown in midsummer. Summer varieties are best adapted for general crop.

JOHNSON'S EXTRA SELECT SCARLET GLOBE. (See cut.)

This new radish has a remarkable ability to bear the heat necessary for rapid growth without becoming pithy or losing flavor. As shown in the illustration, it is of surpassing beauty as regards shape and color. The flesh is crisp, tender, juicy and mild. The color is a rich scarlet. It has a small top and the roots are surprisingly uniform in shape and size. We offer only the most carefully grown seed. Pkt., 10 cts.; oz., 15 cts.; $\frac{1}{4}$ lb., 35 cts.; lb., \$1.25, postpaid.

JOHNSON'S HOME TABLE. A nearly globe-shaped Radish, very large, and remaining in good condition a remarkably long time for such an early variety. Skin is fine crimson and flesh pure white of excellent quality. It matures very quickly and is tender and crisp. A fine sort for open ground and for successive sowing. Pkt., 10 cts.; oz., 20 cts.; $\frac{1}{4}$ lb., 45 cts.; lb., \$1.35, postpaid.

BRIGHT RED FORCING. An excellent extra-early forcing variety forming radishes which are uniform, small, nearly round and of bright scarlet color. Tops are very small. Flesh white, crisp and finely flavored. Matures in 10 days. Our strain of this perfect radish is clean and fine, and is in very large demand. Pkt., 10 cts.; oz., 20 cts.; $\frac{1}{4}$ lb., 45 cts.; lb., \$1.25, postpaid.

PHILADELPHIA WHITE BOX. A very fine early radish, round, slightly flattened and of a beautiful white color. It has a medium top, matures early and is grown extensively both under sash and outdoors. Out stock is excellent. Pkt., 5 cts.; oz., 15 cts.; $\frac{1}{4}$ lb., 30 cts.; lb., \$1.00, postpaid.

FRENCH BREAKFAST. A favorite sort, mild and crisp. Pkt., 5 cts.; oz., 15 cts.; $\frac{1}{4}$ lb., 30 cts.; lb., \$1.00, postpaid.

WHITE TIPPED SCARLET TURNIP. For early planting in frames or outdoors. Pkt., 5 cts.; oz., 15 cts.; $\frac{1}{4}$ lb., 35 cts.; lb., \$1.00, postpaid.

ROSY GEM. An extra early strain of White Tip Scarlet Turnip, adapted for forcing. Pkt., 5 cts.; oz., 15 cts.; $\frac{1}{4}$ lb., 35 cts.; lb., \$1.00, postpaid.



Johnson's Extra Select Scarlet Globe

COOPER'S SPARKLER (Scarlet Turnip White-Tip). A splendid variety of the Scarlet Turnip White-tipped type, but showing more white, while the upper half is a bright scarlet. One of the most attractive varieties grown. Very crisp and of good quality. Pkt., 10 cts.; oz., 15 cts.; $\frac{1}{4}$ lb., 35 cts.; lb., \$1.25, postpaid.

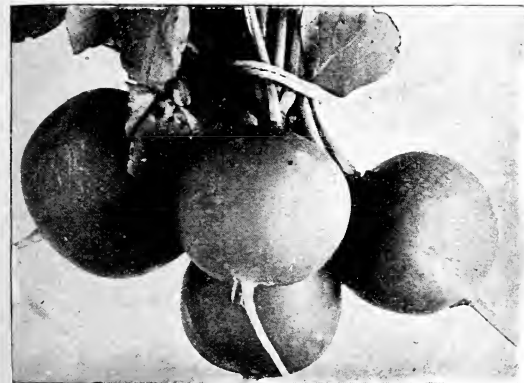
IMPROVED CHARTIER. The color at the top is crimson, running into pink about the middle, and from thence downward is pure white. Splendid for summer use. Pkt., 5 cts.; oz., 10 cts.; $\frac{1}{4}$ lb., 30 cts.; lb., \$1.00, postpaid.

CALIFORNIA MAMMOTH WHITE WINTER. A white-fleshed radish of excellent quality. Pkt., 10 cts.; oz., 15 cts.; $\frac{1}{4}$ lb., 35 cts.; lb., \$1.15, postpaid.

WHITE STUTTGART. Shape like a turnip; skin and flesh both white, excellent summer variety. Pkt., 10 cts.; oz., 15 cts.; $\frac{1}{4}$ lb., 35 cts.; lb., \$1.25, postpaid.

LONG WHITE VIENNA or LADY FINGER. Pure white in color, of long, tapering shape. Pkt., 10 cts.; oz., 15 cts.; $\frac{1}{4}$ lb., 35 cts.; lb., \$1.25, postpaid.

CINCINNATI MARKET. The finest long Red Radish in cultivation either for house or for market. Skin scarlet colored, very thin, the flesh crisp, brittle and of delightful flavor. Pkt., 5 cts.; oz., 10 cts.; $\frac{1}{4}$ lb., 30 cts.; lb., \$1.00, postpaid.



Johnson's Saxa Radish

ONE OF OUR SPECIALTIES Johnson's New Saxa Radish

The Quickest Growing, Round Red Sort

This desirable, quick growing, red button radish produces its crop in 16 to 20 days. Round as a marble, having a very small top and tap root. The skin is a bright scarlet color, with firm white flesh, which is crisp, brittle and juicy. Adapted for forcing or outdoor planting. Pkt., 10 cts.; oz., 15 cts.; $\frac{1}{4}$ lb., 35 cts.; lb., \$1.25, postpaid.



Johnson's Seeds that Produce

RADISH—Continued

JOHNSON'S LONG WHITE ICICLE. A beautiful waxy white, long-rooted Radish, gradually tapering down from the shoulder, which is about $\frac{3}{4}$ inch in diameter. The roots are usually 5 or 6 inches long and have small tops. This is the earliest of the long-rooted early summer white sorts, desirable for outdoor planting and for forcing. Flesh is crisp and tender. Pkt., 10 cts.; oz., 15 cts.; $\frac{1}{4}$ lb., 35 cts.; lb., \$1.10, postpaid.

FOUR BEST WINTER RADISHES

WHITE CHINESE. New Celestial. A large, stump-rooted winter Radish with white skin and flesh. Can be sown from July 1 to August 15, and will keep in prime condition a long time; mild in flavor; brittle and never woody. Pkt., 10 cts.; oz., 15 cts.; $\frac{1}{4}$ lb., 35 cts.; lb., \$1.25, postpaid.

CHINESE ROSE WINTER. A very handsome and distinct bright rose variety, crisp and tender; cylindrical in shape, very smooth. Very desirable sort. Keeps splendidly through autumn and winter. Pkt., 10 cts.; oz., 15 cts.; $\frac{1}{4}$ lb., 35 cts.; lb., \$1.25, postpaid.

LONG BLACK SPANISH WINTER. Grows 5 to 8 inches long and is 1 to $1\frac{1}{4}$ inches through at top. Skin black; flesh white and firm. Pkt., 5 cts.; oz., 15 cts.; $\frac{1}{4}$ lb., 35 cts.; lb., \$1.25, postpaid.

ROUND BLACK SPANISH WINTER. Similar to Long Black Spanish, except in shape. Fine for winter. Pkt., 5 cts.; oz., 15 cts.; $\frac{1}{4}$ lb., 35 cts.; lb., \$1.15, postpaid.

Rhubarb or Pie Plant

One ounce of seed will produce 500 plants.

Requires a deeply cultivated and thoroughly manured soil. Sow the seed early in the spring, in rows 1 foot apart. The second year after planting, plants can be removed in autumn to the permanent place in the garden allotted to them. Plant the roots 2 feet apart each way.

VICTORIA. In general use for market and home garden. Pkt., 10 cts.; oz., 20 cts.; $\frac{1}{4}$ lb., 40 cts.; lb., \$1.25, postpaid.

RHUBARB ROOTS. Each, 25 cts.; doz., \$2.50.

Salsify or Oyster Plant

MAMMOTH SANDWICH ISLAND. Roots large, long, smooth, tender and well flavored, resembling fair-sized parsnips. Pkt., 10 cts.; oz., 20 cts.; $\frac{1}{4}$ lb., 65 cts.; lb., \$2.00, postpaid.



Johnson's Long White Icicle

Sorrel One ounce will sow 100 feet of row.

Sow thinly early in spring, in rows 12- to 18 inches apart. Thin to 6 or 8 inches apart.

LARGE FRENCH BROAD-LEAVED. Has large, pale green leaves of mild, acid flavor; esteemed as a salad, also cooked as greens, etc. Pkt., 10 cts.; oz., 20 cts.; $\frac{1}{4}$ lb., 50 cts.; lb., \$1.50, postpaid.

Squash

ZUCCA MIEKURZ

A warm, light, rich soil is best. This may be enriched by mixing a shovelful of commercial fertilizer thoroughly with the soil in each hill. As Squash plants are very tender and sensitive to cold, plantings must not be made until settled warm weather, about May 15 in the latitude of Cleveland. Summer varieties should be planted in hills 4 to 6 feet apart each way, winter varieties 8 to 10 feet apart each way. Drop about six seeds to the hill. Cover firmly with $\frac{1}{2}$ inch of fine soil. When plants have attained their third or fourth leaves, thin out, leaving the three strongest plants in each hill. For the convenience of our customers we print full cultural directions on every packet.

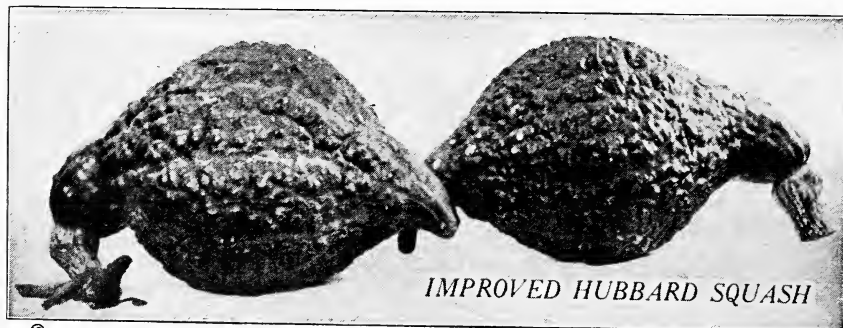
Winter Varieties

BLUE HUBBARD. (New.) A large variety having a hard blue-gray shell. It is a long-keeping sort and of finest quality. Try this one. Pkt., 10 cts.; oz., 15 cts.; $\frac{1}{4}$ lb., 45 cts.; lb., \$1.50, postpaid.

BOSTON MARROW. Oval form; thin skin. Color of skin and flesh a rich orange; of good size, excellent flavor and keeps well. Pkt., 10 cts.; oz., 15 cts.; $\frac{1}{4}$ lb., 35 cts.; lb., \$1.15, postpaid.

CHICAGO WARTED HUBBARD. Large size; dark green color, distinguished by a dense covering of knots (warts), of splendid quality; thick yellow flesh. Pkt., 10 cts.; oz., 15 cts.; $\frac{1}{4}$ lb., 45 cts.; lb., \$1.40, postpaid.

GOLDEN OR RED HUBBARD. Color of skin bright, rich orange red; showy and attractive; shell hard and warty; flesh deep golden yellow, fine-grained and of splendid flavor; cooks dry. Pkt., 10 cts.; oz., 15 cts.; $\frac{1}{4}$ lb., 35 cts.; lb., \$1.25, postpaid.



IMPROVED HUBBARD SQUASH

IMPROVED OR SMOOTH HUBBARD. The standard winter Squash. It is of good size, often weighing 9 to 15 pounds. Color bluish green. Flesh fine-grained, sweet and of excellent flavor. Rich orange yellow. Has a very hard shell and will keep until spring. Pkt., 10 cts.; oz., 15 cts.; $\frac{1}{4}$ lb., 35 cts.; lb., \$1.25, postpaid.

Johnson's Seeds that Produce



SQUASH—Continued

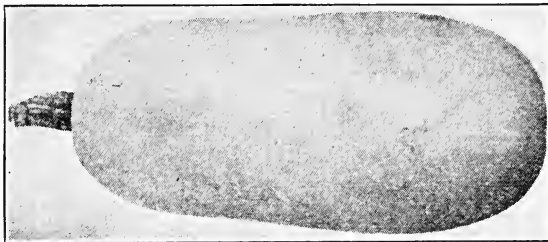
Summer Varieties

ACORN, DES MOINES OR TABLE QUEEN. This new variety averages about 7 inches long by about 4 to 5 inches wide; shape is oblong and slightly pointed at the blossom end. The color is a dark green, except when it becomes over-ripe, when it changes to buff; flesh is orange color. The quality is equal to that of the Hubbard. Pkt., 10 cts.; oz., 15 cts.; ¼ lb., 35 cts.; lb., \$1.25, postpaid.

MAMMOTH WHITE BUSH SCALLOP. Excellent large strain, 10 to 12 inches in diameter. Nearly as early as the common sort; creamy white; splendid for market or home garden; good shipper. Pkt., 10 cts.; oz., 15 cts.; ¼ lb., 35 cts.; lb., \$1.25, postpaid.

MAMMOTH YELLOW BUSH SCALLOP or GOLDEN CUSTARD. Decidedly the best strain. Double the size of the old sort. A flat variety of the patty-pan type; deep orange in color; 8 to 10 inches in diameter; for early summer use only. Pkt., 10 cts.; oz., 15 cts.; ¼ lb., 35 cts.; lb., \$1.20, postpaid.

GIANT GOLDEN SUMMER CROOKNECK. The largest and best of all Summer Crookneck Squashes. Of a dwarf, bushy habit and very productive; bears early and all summer; true Crookneck type; rich golden yellow color; thickly warted. Its cooking qualities are unexcelled. Pkt., 10 cts.; oz., 15 cts.; ¼ lb., 45 cts.; lb., \$1.40, postpaid.



Vegetable Marrow Squash

FORDHOOK. Convenient small size for family use. Flesh dry and sweet, and seems incapable of rotting. Maturing early, it is a sure cropper and immensely productive. Skin thin and meat thick; seed cavity small. May be used as a summer sort or stored for winter. Pkt., 10 cts.; oz., 15 cts.; ¼ lb., 35 cts.; lb., \$1.20, postpaid.

COCOZELLE. A summer variety of bush habit; fruits oblong, 12 to 16 inches in length and 5 inches in diameter, furrowed with five ribs; color dark green, marbled with yellow and dark green stripes, quality fine. Pkt., 10 cts.; oz., 15 cts.; ¼ lb., 35 cts.; lb., \$1.30, postpaid. We wish you would write us frankly about the results you have with our seeds.



Cocozelle Squash

VEGETABLE MARROWS

LONG CREAM. A vine variety. Oblong shape, with smooth creamy white skin. Pkt., 10 cts.; oz., 20 cts.; ¼ lb., 60 cts.; lb., \$2.00.

ENGLISH MARROW. A bush variety. Fruits shorter than Long Cream. Pkt., 10 cts.; oz., 20 cts.; ¼ lb., 50 cts.; lb., \$1.75.

LONG GREEN. Long and rather slim, with striped green skin; a vine variety. Pkt., 10 cts.; oz., 20 cts.; ¼ lb., 60 cts.; lb., \$2.00.

NORTHERN-GROWN SEED POTATOES

Our Potatoes are all choicest northern grown stock, grown especially for seed purposes. At the date this catalog goes to press, prices are unsettled, and as there is every possibility that we will be able to quote better prices later than we could now, we name no prices herein. Intending purchasers will please send us a list of their requirements and we will quote lowest possible prices as soon as the market is settled. A bushel of Seed Potatoes weighs 60 pounds; a standard sack contains 165 pounds, or 2¼ bushels. Ten to 12 bushels will plant an acre.

We send out no Potatoes in spring before danger of frost is past.

WRITE FOR PRICES

CARMAN NO. 3. A very popular and reliable late Potato. Large, oblong, slightly flattened.

EARLY OHIO. Extra early; tubers rough in the skin; nearly round and quite distinct; cooks dry and mealy. Leads in quality.

EARLY ROSE, IMPROVED. An improvement on Early Rose; larger in size, fully as early and a heavy yielder. Long, large tubers, smooth with thin blush or rosy skin and solid white flesh.

GREEN MOUNTAIN IMPROVED. The leading main crop Potato. A productive and dependable variety; tubers oblong and somewhat flattened; eyes shallow. A few days earlier than the original Green Mountain and a trifle whiter in color.

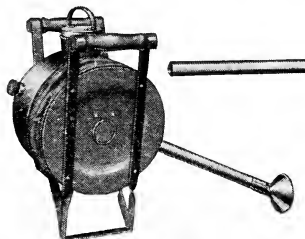
IRISH COBBLER. Unquestionably one of the best white skinned extra early sorts. Tubers always uniform, round and of good quality. A good yielder under widely varying conditions, but is not recommended for heavy clay soils.

One of our customers writes us that the "Platz Duster" is the most satisfactory he has ever used. Especially at so small cost.

PLATZ

"GREEN" HAND DUSTER

NEW MODEL



Light, Compact,
Sturdy, Efficient.
Capacity: 2-4 Lbs.
Large, Powerful
Bellows.
30-Inch Extension
with Spreader.

Easy to work and regulate. Practically indestructible—wearing parts can be readily replaced. Excellent for dusting either hill crops or underside of foliage. Handles any dust that can be used in larger outfits.

Price, \$6.50, Postpaid



Johnson's Seeds that Produce

Spinach

Spinach will succeed finely in any ordinary soil, and its cultivation is a very simple matter. It is grown both as a spring and summer crop. To winter over for spring use, sow the seed in August or September, in drills 12 to 14 inches apart. At approach of cold weather, cover lightly with straw or any handy litter. For summer use, sow in spring; thin to 3 to 4 inches.

One ounce of seed will sow 50 feet of drill; 12 to 15 pounds will plant an acre.

Write for prices on Spinach in large lots.

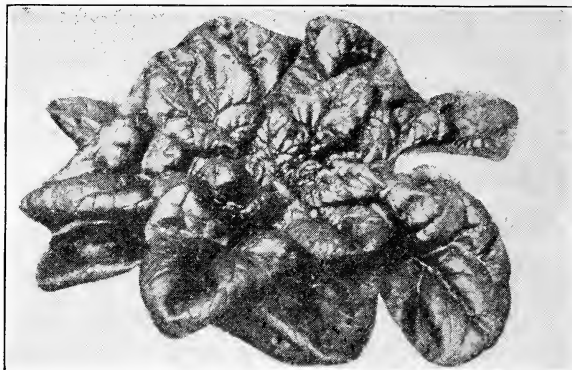
KING OF DENMARK. The New Evergreen Spinach. It is fit for use in thirty days from time of sowing, and remains in good condition fully two weeks after other varieties have started seed-stalks. It has a beautiful crumpled, dark green, thick leaf of fine quality. Pkt., 5 cts.; oz., 10 cts.; $\frac{1}{4}$ lb., 15 cts.; lb., 50 cts., postpaid.

LONG-STANDING BLOOMSDALE SAVOY. A new strain of merit. It is just as early as the old-type Bloomsdale, but stands in marketable condition ten to fourteen days longer. Intensely crumpled, blistered, uniform, deep glossy green leaves. Pkt., 5 cts.; oz., 10 cts.; $\frac{1}{4}$ lb., 20 cts.; lb., 60 cts., postpaid.

VIRGINIA BLIGHT-RESISTANT SAVOY. As its name indicates, it is resistant to blight, and should be used where blight is prevalent. The type, however, is not quite as uniform as the Bloomsdale. Pkt., 5 cts.; oz., 10 cts.; $\frac{1}{4}$ lb., 15 cts.; lb., 50 cts., postpaid.

RESELECTED BLOOMSDALE SAVOY. A new strain of Savoy which has been selected so as to eliminate the male plants and thereby prevent running to seed so early in the season. Pkt., 5 cts.; oz., 10 cts.; $\frac{1}{4}$ lb., 20 cts.; lb., 60 cts., postpaid.

NOBEL GIANT-LEAVED (Big Crop). The best of the so-called "smooth-leaved" sorts. It produces a large mass of rather smooth, very thick, rounded leaves of enormous size, and although it is a very quick grower, it stands very long before bolting. An improvement, in this respect, over Viroflay, which it will eventually displace. Pkt., 5 cts.; oz., 10 cts.; $\frac{1}{4}$ lb., 20 cts.; lb., 60 cts., postpaid.



JULIANA. Undoubtedly the best second-early variety. It is of the same type as Victoria, but very slow to run to seed. It has dark green crumpled leaves, rounded and thick, and short leaf-stems. This Spinach is rapidly growing in popularity. Our seed is from the originator. Pkt., 5 cts.; oz., 10 cts.; $\frac{1}{4}$ lb., 20 cts.; lb., 60 cts., postpaid.

IMPROVED THICK LEAF (Viroflay). The favorite for fall or spring sowing, as it furnishes an abundance of heavy, broad, dark green curled leaves of fine quality. Pkt., 5 cts.; oz., 10 cts.; $\frac{1}{4}$ lb., 15 cts.; lb., 50 cts., 5 lbs., \$2.25; 10 lbs., \$3.20.

VICTORIA. An excellent sort, whether grown for home use or market. It may be sown either in the spring or during late summer and fall. The plants are fit for use quite early. The leaves are very thick and have a mild flavor. Pkt., 5 cts.; oz., 10 cts.; $\frac{1}{4}$ lb., 20 cts.; lb., 60 cts., postpaid.

NEW ZEALAND. A distinct type. The plants grow in branching form, with thick, succulent leaves. The leaves and stems can be gathered at any time after they are well grown and the plants will start out into new growth. Thrives during hot weather and in any soil. Pkt., 5 cts.; oz., 10 cts.; $\frac{1}{4}$ lb., 25 cts.; lb., 75 cts., postpaid.



Johnson's Norbek Spinach

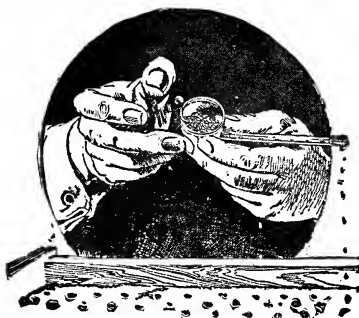
JOHNSON'S NEW SPINACH

JOHNSON'S NORBEK. This new variety is the top notch of the spinach family, being a decided improvement on all other kinds. The leaves are broad, heavy and of a dark green, glossy color, much more heavily blistered than Long Season; it will also stand at least a week or ten days longer without shooting to seed, which is an important factor. The plant is not of the rosette type, but stands more erect, and requires a less number of plants to fill a basket than any other variety. A trial will convince you that this is the most profitable variety to grow. Pkt., 10 cts.; oz., 15 cts.; $\frac{1}{4}$ lb., 25 cts.; lb., 70 cts., postpaid.

SOWRITE SEED SOWER

Sows Seeds at a Touch

Scatters seed individually; prevents crowding and choking of seedlings. Eliminates guesswork because you can see each seed drop, no matter how fine. Saves time because you can sow seeds twice as fast.



"SOWRITE"—Model 1923

Made of Copper, Nicked Plated.
For all seeds up to size of Sweet Peas. Price \$1.00, postpaid.





Tomato

Tomatoes do best on light, warm, not over-rich soil, and with a rapid, vigorous and unchecked growth early in the season. Sow in hotbed or window-box (where 60 degrees Fahrenheit is the minimum night temperature) in March in rows 3 inches apart and 1½ inches deep. Cover firmly. Later sowings may be made to the end of April. When seedlings are 3 inches high, transplant to 4 inches apart each way either in other hotbeds, in coldframes, or singly in 3-inch pots. Harden plants by exposing to the air occasionally. After warm weather is settled, set out plants 3 to 4 feet apart each way in hills. Water freely at time of transplanting and shelter from sun until well established.



Marglobe Tomato

Three Outstanding Red Tomatoes

SELECTED EARLIANA. Grown in northern Michigan. Outclasses all of the ordinary strains of Earliana. The fruits are deep scarlet, almost perfectly round, very solid, with a very small core and few seeds. They mature very early and uniformly in prolific clusters near the center of the plant, and are borne on strong vigorous vines. Pkt., 10 cts.; ½ oz., 25 cts.; oz., 45 cts.; ¼ lb., \$1.10; lb., \$4.00, postpaid.

MARGLOBE. New midseason sort. A hybrid from Marvel and Livingston's Globe. Entirely immune from rust and wilt. A pure scarlet, globe-shaped, with the size and fine qualities of Livingston's Globe but earlier and a heavier cropper. Valuable for canning and marketing due to its solidity, scarlet color and fine appearance. Pkt., 10 cts.; ½ oz., 25 cts.; oz., 40 cts.; ¼ lb., \$1.30; lb., \$4.65, postpaid.

SELECTED BONNY BEST. Special Strain. Selected and developed by a market gardener in Ohio. A distinctly desirable variety. Fruits are bright scarlet, very solid, extremely large, round, flattened and uniform. The vines are exceptionally robust and healthy. Very profitable for late crop and a very excellent shipper. Pkt., 10 cts.; ½ oz., 25 cts.; oz., 40 cts.; ¼ lb., \$1.10; lb., \$3.90, postpaid.



Selected Bonny Best Tomatoes

Early Red Varieties

NEW WAYAHEAD TOMATO. A distinct new type which has all the good qualities of Earliana and is, in addition, extra hardy, vigorous, disease-resistant and a heavy producer, continuing to bear long after the first picking is taken off. Pkt., 10 cts.; ½ oz., 50 cts.; oz., 75 cts.; ¼ lb., \$2.00, postpaid.

JOHN BAER. Ripening a few days after Earliana, produces larger fruits and plenty of them. Always smooth, semi-globe-shaped, bright red; quality excellent. Pkt., 10 cts.; ½ oz., 25 cts.; oz., 40 cts.; ¼ lb., \$1.25; lb., \$4.00, postpaid.

CHALK'S JEWEL. Later than Bonny Best; fruits slightly larger and a better yielder, particularly on heavy soils on which it produces enormous crops and bears for a long season. Fruit solid, bright crimson and of fine quality. Pkt., 10 cts.; ½ oz., 20 cts.; oz., 35 cts.; ¼ lb., \$1.15; lb., \$4.00, postpaid.

Main-Crop Red Varieties

STONE. An old favorite—the standard tomato for main-crop and canning. Immensely productive; fruits large and smooth, bright scarlet, solid and meaty. Pkt., 10 cts.; ½ oz., 20 cts.; oz., 35 cts.; ¼ lb., \$1.15; lb., \$3.50, postpaid.

MATCHLESS. Another strain of Stone, with extra large fruits; late but the heaviest yielder of all. The best main-crop variety for the home garden. Rich cardinal red; flesh solid and of the finest quality. Pkt., 10 cts.; ½ oz., 25 cts.; oz., 45 cts.; ¼ lb., \$1.50; lb., \$5.00, postpaid.

Dwarf Tomatoes

DWARF STONE. The most popular of the dwarf kinds; quite early and a heavy cropper. Fruits large and solid, deep scarlet. Pkt., 10 cts.; ½ oz., 25 cts.; oz., 45 cts.; ¼ lb., \$1.35; lb., \$4.50, postpaid.

DWARF GIANT, or DWARF PONDEROSA. Purplish crimson fruits of the largest size; flesh solid and contains few seeds. Pkt., 10 cts.; ½ oz., 35 cts.; oz., 65 cts.; ¼ lb., \$1.95; lb., \$6.50, postpaid.

DWARF CHAMPION. Stocky plants, maturing early and bearing a large crop of medium-sized, smooth, purplish pink fruits. Pkt., 10 cts.; ½ oz., 25 cts.; oz., 40 cts.; ¼ lb., \$1.30; lb., \$4.50, postpaid.



Johnson's Seeds that Produce

TOMATOES—Continued

Pink Tomatoes

EARLY ACME. Rich glossy crimson, tinged with purple; perfectly smooth. Pkt., 10 cts.; $\frac{1}{2}$ oz., 20 cts.; oz., 35 cts.; $\frac{1}{4}$ lb., \$1.25, postpaid.

JUNE PINK. Identical with Earliana, but pink in color. A good producer and resistant to blight. 100 days. Pkt., 10 cts.; $\frac{1}{2}$ oz., 25 cts.; oz., 40 cts.; $\frac{1}{4}$ lb., \$1.35; lb., \$4.50, postpaid.

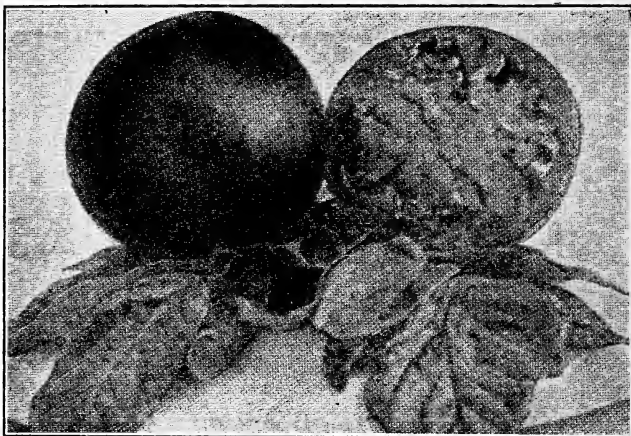
GULF STATE MARKET. (New.) The finest early purple fruited tomato. Ripens with Early Detroit but is larger, more solid and more globe-shaped. Productive and a good shipper. Pkt., 10 cts.; $\frac{1}{2}$ oz., 20 cts.; oz., 35 cts.; $\frac{1}{4}$ lb., \$1.20; lb., \$4.00, postpaid.

SELECT GLOBE. An outstanding variety; most valuable purple tomato. Commencing to bear in early mid-season, it produces an enormous crop of handsome, distinctly globe-shaped fruits of the very finest quality. Smooth purplish pink. Pkt., 10 cts.; $\frac{1}{2}$ oz., 20 cts.; oz., 35 cts.; $\frac{1}{4}$ lb., \$1.10; lb., \$3.75, postpaid.

EARLY DETROIT. Follows June Pink; fruits larger, uniformly smooth and well-colored. A good producer on any soil. Pkt., 10 cts.; $\frac{1}{2}$ oz., 20 cts.; oz., 35 cts.; $\frac{1}{4}$ lb., \$1.10; lb., \$3.75, postpaid.

BEAUTY (Johnson's Improved). A productive main-crop variety; fruits of good size, smooth, solid, never cracking; quality excellent. Pkt., 10 cts.; $\frac{1}{2}$ oz., 20 cts.; oz., 35 cts.; $\frac{1}{4}$ lb., \$1.10; lb., \$3.75, postpaid.

PONDEROSA. The largest of all tomatoes, regardless of color. Properly grown, a single plant will often bear from 20 to 30 large fruits, generally in clusters of three, each cluster weighing from $1\frac{1}{2}$ to 2 pounds. Pkt., 10 cts.; $\frac{1}{2}$ oz., 25 cts.; oz., 45 cts.; $\frac{1}{4}$ lb., \$1.50; lb., \$5.50, postpaid.

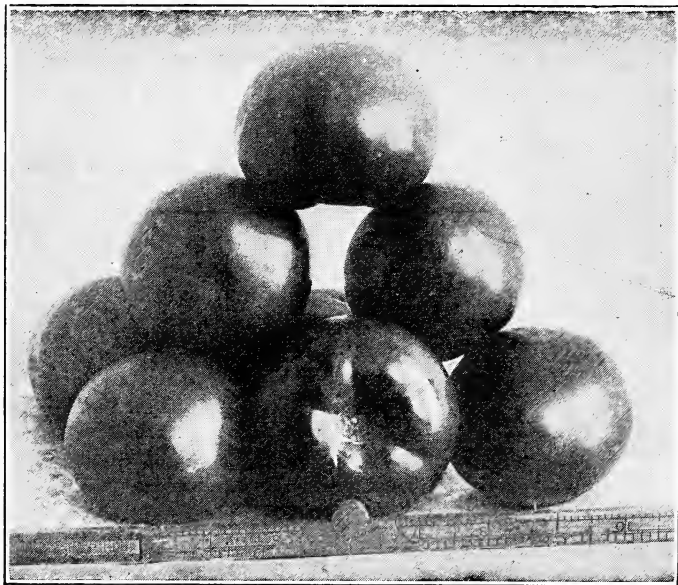


Select Globe

Yellow Tomatoes

YELLOW PONDEROSA. Similar in size and growth to Ponderosa; clear golden yellow; solid and mild in flavor. Pkt., 10 cts.; $\frac{1}{2}$ oz., 35 cts.; oz., 60 cts.; $\frac{1}{4}$ lb., \$1.85; lb., \$6.00, postpaid.

GOLDEN QUEEN. About size and form of Beauty; smooth golden yellow. Pkt., 10 cts.; $\frac{1}{2}$ oz., 25 cts.; oz., 40 cts.; $\frac{1}{4}$ lb., \$1.25, postpaid.



Johnson's Improved Beauty

Greenhouse Forcing Tomatoes

ENGLISH COMET. The tomatoes are of a good medium size, very solid and of a deep scarlet color. Pkt., 15 cts.; $\frac{1}{2}$ oz., 35 cts.

SUTTON'S BEST OF ALL. Fruits smooth, good size; deep scarlet. Pkt., 15 cts.; $\frac{1}{2}$ oz., 35 cts.

STIRLING CASTLE. Medium-sized, bright red fruit. Pkt., 15 cts.; $\frac{1}{2}$ oz., 35 cts.

SUNRISE (Carter's). One of the best of the English forcing tomatoes. Pkt., 15 cts.; $\frac{1}{2}$ oz., 35 cts.

Preserving Tomatoes

The following small-fruited varieties are used for making preserves, and are also quite ornamental: Pear-shaped Red, Pear-shaped Yellow, Yellow Plum, Yellow Cherry, Red Cherry, Red Currant, Red Peach, Strawberry, or Ground Cherry. Pkt., 10 cts.; $\frac{1}{2}$ oz., 25 cts.; oz., 45 cts.



American Purple Top Rutabaga

Rutabaga

(Swedish or Russian Turnip)

Rutabagas are more especially adapted to northern sections. They require a longer season for maturing, hence should be sown earlier than turnips, or about June 15.

LARGE WHITE RUSSIAN. An excellent keeper and very desirable either for the table or for stock; roots very large, somewhat top-shaped; color white with a shade of green at the top. Flesh white, firm and sweet. Pkt., 5 cts.; oz., 10 cts.; $\frac{1}{4}$ lb., 20 cts.; lb., 65 cts., postpaid.

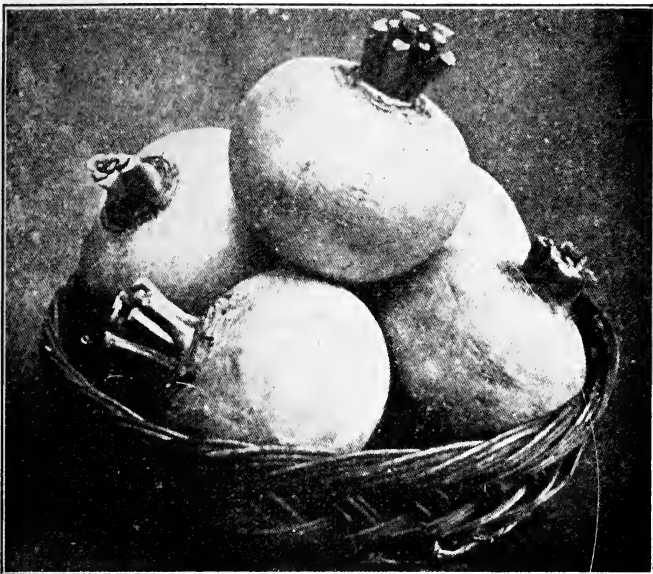
IMPROVED AMERICAN PURPLE-TOP. One of the best and heaviest cropping sorts. It is of globe shape with a rich purple top and light yellow below the ground. The quality is fine; very tender, and not stringy. A valuable table variety, and is also used for stock feeding. Pkt., 5 cts.; oz., 10 cts.; $\frac{1}{4}$ lb., 20 cts.; lb., 70 cts., postpaid.



Turnip

Early varieties of Turnips should be planted just as soon as the ground is dry in spring. Sow early in rows, and later broadcast. The Rutabaga varieties, and also the late sorts, will do better if planted in rows at least 1½ feet apart, and thin out the plants when well up to 6 inches apart. Cultivate often and thoroughly. The Rutabaga varieties should be planted as soon as possible after the middle of June, as they need a longer season than the Turnips.

One ounce of seed sows 100 feet of drill; one pound will plant an acre.



Purple-Top White Globe Turnip

PURPLE-TOP WHITE GLOBE. Most popular of all turnips for main crop. The roots are large, purple or dark red above ground, white below and when in best condition for the table, are about 3 inches in diameter, but can be grown much larger. Flesh white, fine-grained and tender. Keeps well and is one of the best for market; also a popular home garden sort. Pkt., 5 cts.; oz., 10 cts.; ¼ lb., 20 cts.; lb., 65 cts.; 5 lbs., \$2.75, postpaid.

YELLOW GLOBE or AMBER. One of the best yellow-fleshed varieties and a good table sort. The roots are large and of globular shape; skin clear yellow except the top which is tinged with green; flesh light yellow, fine-grained and sweet. A good keeper. Pkt., 5 cts.; oz., 10 cts.; ¼ lb., 20 cts.; lb., 70 cts., postpaid.

LARGE WHITE GLOBE (Pomeranian). This is a very productive sort and if planted in good, rich soil the roots attain very large size, sometimes weighing as much as ten pounds. The roots are globe-shaped or slightly flattened; skin very white and smooth. Used for stock-feeding and is also good for table use if pulled when young. Pkt., 5 cts.; oz., 10 cts.; ¼ lb., 20 cts.; lb., 70 cts., postpaid.

LONG WHITE or COWHORN. Clear white, except a little green at the top of the root. The roots are often 12 inches long by about 2½ inches in diameter and grow about 3 inches out of the ground. The flesh is fine-grained and well flavored. Desirable for stock feeding. Pkt., 5 cts.; oz., 10 cts.; ¼ lb., 20 cts.; lb., 65 cts., postpaid.

PURPLE-TOP STRAP-LEAF. Comes next to Purple-Top Globe in popularity. An early strap-leaved variety, very extensively used for the table. Leaves are few and upright in growth. Roots flat, of medium size, purple or dark red above ground, white below; flesh white, fine-grained and tender. Roots are best for table use when about 2 to 3 inches in diameter. Pkt., 5 cts.; oz., 10 cts.; ¼ lb., 20 cts.; lb., 65 cts., 5 lbs., \$2.75, postpaid.

EXTRA-EARLY PURPLE-TOP MILAN. Roots are flat and an attractive purple-red on the upper portion. Tops small and upright and are therefore well adapted for forcing. The Milans are the very best for extra early, and their quality is fine, very smooth skin and more nearly transparent than any other sort. Pkt., 10 cts.; oz., 15 cts.; ¼ lb., 45 cts.; lb., \$1.50, postpaid.

EXTRA-EARLY WHITE MILAN. Same as Purple-Top Milan except in color. Best in quality when only about 2 inches in diameter. Pkt., 5 cts.; oz., 10 cts.; ¼ lb., 30 cts.; lb., \$1.00, postpaid.

EARLY SNOWBALL. Medium-sized round turnip; pure white; very fine flavor; flesh is fine-grained. Pkt., 5 cts.; oz., 10 cts.; ¼ lb., 25 cts.; lb., 70 cts., postpaid.

WHITE EGG. An early, egg-shaped variety with smooth, clear white roots of medium size which grow half out of the ground. The flesh is clear white, firm, fine-grained and sweet. The roots are in best condition for use when about 1½ inches in diameter. Pkt., 5 cts.; oz., 10 cts.; ¼ lb., 20 cts.; lb., 70 cts., postpaid.

EARLY FLAT DUTCH or WHITE STRAP-LEAVED. Same as Purple-Top Strap-Leaf except in color. In best condition for table use when about 3 inches in diameter. Pkt., 5 cts.; oz., 10 cts.; ¼ lb., 25 cts.; lb., 75 cts., postpaid.

SEVEN TOP. This sort is cultivated extensively in the South for the tops which are used for greens, and in many parts of the country is a favorite green feed for stock. Is used like rape for a pasture crop. Very hardy and grows throughout the winter in mild climates. Pkt., 5 cts.; oz., 10 cts.; ¼ lb., 20 cts.; lb., 65 cts., postpaid.

GOLDEN BALL or ORANGE JELLY. One of the very best varieties of yellow-fleshed turnips. Tops small; roots medium sized, round, very smooth, and with deep yellow skin. The flesh is firm, crisp and sweet. May be planted either in early spring or late summer. It is a good keeper. Pkt., 5 cts.; oz., 10 cts.; ¼ lb., 25 cts.; lb., 75 cts., postpaid.



White Egg Turnip

ALL SEEDS OFFERED ARE PREPAID

ALL VEGETABLE SEEDS in quantities offered in this Catalog are FORWARDED TRANSPORTATION PAID anywhere in the United States, we reserving the privilege of shipping either by PARCEL POST, EXPRESS or FREIGHT.



Johnson's Seeds that Produce

Garden Accessories

ASPARAGUS KNIFE or LAWN WEEDER. Drop forged blade. Birch handle, 15 inches long. Weight, 1 lb. Each, 65 cts.

DIBBLE. Iron handle; steel point. Each, 75 cts.; 5 or more at 65 cts.

FLOWER POTS. (See Pots).

FORKS, MANURE. Strapped ferrules. 6 tines. Each, \$2.25.

FORKS, SPADING. All steel with strapped ferrules. Each, \$2.00.

GARDEN LINE. White, glazed. Superior to Italian Hemp garden line. 48 feet weighs 6 ounces. 48 feet, 75 cts.

"PEERLESS" GLAZING POINT. (Improved Van Reyper). Price per 1,000, 75 cts.; postpaid, 90 cts. 5,000, \$3.50, by express.

GRAFTING WAX. 1/4 lb., 30 cts.; 1/2 lb., 45 cts.; lb., 65 cts.

GRASS EDGER, AMERICAN. 9 inch blade. \$1.50.

HANGING BASKETS. Galvanized wire. 8 in., 35 cts.; 10 in., 45 cts.; 12 in., 60 cts.; 14 in., 85 cts.; 16 in., \$1.05.

HOE

Scuffle or Push Hoe with Handle. American. 9 and 10 in., \$1.50; 7 and 8 in., \$1.25; 6 in., \$1.10.

Warren. Heartshaped Hoe; 5 foot handle. \$1.35.

HOTBED SASH. Unglazed. Four rows glass 8x10 inches square. Each, \$3.50. Cypress, knock-down, 5 for \$17.00.

KNIVES, PRUNING. Ivory handle. Each, \$1.00.

KNIVES, PROPAGATING. Ivory handle. Each, \$1.00.

POT LABELS. Wooden, painted.

	100	1000		100	1000
4 inch	\$0.40	\$2.00	8 inch	\$1.50	\$9.00
5 inch .....	.50	2.75	10 inch	2.20	12.00
6 inch .....	.60	3.25	12 inch	3.00	16.00

TREE LABELS. Wooden, 3 1/2 inch, copper wired. 100, 60 cts.; 1,000, \$3.25.

MASTICA. For glazing greenhouses, hotbeds, sash, etc.; better than putty, does not crack, always remains soft. Per gallon, \$2.75.

MASTICA MACHINE. For applying above. Weight, 1 1/2 pounds. Each, \$3.00.

MOSS, LOG, GREEN. Per bag, \$3.00.

MOSS, SPAGNUM, DRIED. Bale, \$3.00; 5 bales, \$13.75.

MOLE TRAP, THE REDDICK. Each, \$1.25.

OSMUNDINE FIBRE. Used for potting Orchids. Per bag, \$3.50.

PAPER, FOR WRAPPING FLOWERS.

	Lb.	Ream
Plain White Tissue, 24x36.....	\$0.30	\$2.50
White Wax, 24x36.....	.35	4.00
Green Wax, 24x36.....	.40	4.25

CLAY FLOWER POTS. Prices for Standard, Low or Azalea Styles.

Size	Each	Doz.	100	1000
2 inch	\$0.05	\$ 0.30	\$ 1.50	\$12.25
2 1/2 inch .....	.05	.35	1.75	16.00
3 inch .....	.05	.45	2.50	22.00
4 inch .....	.07	.60	4.50	32.00
5 inch .....	.10	.90	6.50	56.00
6 inch .....	.20	1.40	8.50	75.00
7 inch .....	.25	2.25	16.00	...
8 inch .....	.35	3.00	22.00	...
9 inch .....	.50	4.50	35.00	...
10 inch .....	.65	6.50	45.00	...
12 inch	1.50	12.00	...	...

CLAY SAUCERS

Size	Each	Doz.	100	Size	Each	Doz.	100
4 inch...	\$0.05	\$0.50	\$ 3.25	9 inch...	\$0.20	\$2.00	\$16.00
5 inch...	.07	.60	3.80	10 inch...	.25	2.50	20.50
6 inch...	.12	.80	5.80	11 inch...	.35	3.50	25.00
7 inch...	.15	1.00	7.50	12 inch...	.45	4.00	30.50
8 inch...	.18	1.50	10.00	14 inch...	.60	...	...

NEPONSET PAPER POTS. Made of waterproof paper; light, clean and unbreakable.

Size	Doz.	100	1000
2 1/2 inch	\$0.15	\$0.75	\$ 5.50
3 inch .....	.22	.80	7.20
3 1/2 inch .....	.25	1.20	9.50
4 inch .....	.35	1.60	12.00
5 inch .....	.40	2.35	18.50
6 inch .....	.55	3.10	23.50

RUBBER SAUCERS. Far cheaper in the end than earthenware. Extremely desirable on account of being absolutely waterproof.

Size	Each	Doz.	Size	Each	Doz.
5 inch.....	\$0.35	\$ 3.60	12 inch.....	\$0.55	\$ 6.30
6 inch.....	.37	3.90	14 inch.....	.78	8.40
7 inch.....	.40	4.20	16 inch.....	1.41	15.00
8 inch.....	.42	4.50	18 inch.....	1.62	20.00
9 inch.....	.46	4.90	20 inch.....	2.00	22.00
10 inch.....	.50	5.30			

PUTTY. Twemlow's Old English. Semi-liquid. Per gal. \$3.25.

CLYDE TREE PRUNERS. With removable cutting blade and pole complete.

	Each
6 feet	\$2.25
8 feet	2.50
10 feet	2.75
12 feet	3.00

Extra Blades for Clyde Pruners, 25 cts. each.

PUTTY BULB. Scollay's. Useful tool with a tube for applying liquid putty in glazing greenhouses. (Weight, 1 1/2 lbs.). Each, \$1.50.

RAFFIA. Natural color. Lb., 45 cts.; 5 lbs., \$2.00. Green. Lb., \$1.50.

RAKES. Wire and Steel.

Wire Lawn or Grass. Heavy tinned steel, reversible. 24 teeth, 85 cts.; 36 teeth, \$1.25.

Lawn and Garden. Made of the best cast steel. 12 teeth, \$1.10; 14 teeth, \$1.25; 16 teeth, \$1.40.

Steel Bow Rakes. 12 teeth, \$1.10; 14 teeth, \$1.20; 16 teeth, \$1.30.

RAKES. Wooden.

Ole Olson Lawn Rake. Has 26 wooden teeth. Head is slightly curved; hickory wood. \$1.40.

Automatic Lawn Rake. Self cleaning; made of hard wood. 26 teeth, \$1.75; 38 teeth, \$2.25.

SHEARS, LOPPING. Rhodes' Double Cut Wood Handled Pruner. The most powerful pruner made. Made in three lengths: 20 inch, 26 inch and 30 inch. Each, any length, \$5.00. Shipping weight about 5 lbs.

SHEARS, PRUNING. Wiss Jr. No. 209. An extra fine quality shear, made of the best steel. \$1.50 each.

SHEARS, PRUNING. Wiss No. 109. They very best shear made. Each, \$4.50.

SHEARS, HEDGE. No. 100. Forged solid steel. Steel ferrules. 8 inch, \$2.50; 9 inch, \$3.00; 10 inch, \$3.50.

SHEARS, HEDGE. No. 101. Notched with knife edge for cutting heavy growth. Each, 8 inch, \$3.00; 9 inch, \$3.50.

SHEARS, BORDER. No. 104. Without wheel. Forged solid steel, 36 inch handles. Each, 8 inch, \$6.00; 9 inch, \$6.50; 10 inch, \$7.00.

SHEARS, BORDER. No. 105. With wheel. Forged solid steel, 36 inch handles. Each, 8 inch, \$6.50; 9 inch, \$6.75; 10 inch, \$7.25.

SHOVELS. Dennis, solid steel, square or round point, D handle. Each, \$2.50.

SILKALINE. For stringing smilax, etc. Spool, 35 cts.; 8 spools, \$2.50.

SPADES, STEEL. Best. Each, \$2.00.

SPADING FORK. Best steel. Each, \$2.00.

SPRINKLER, SCOLLAY'S RUBBER. Each, \$1.50.

SYRINGES, BRASS GREENHOUSE. No. 11. One stream, two sprays. Each, \$6.50.

POINTED FLORAL OR HYACINTH STAKES. Used for staking Hyacinths, Tulips, etc. Dyed green. 12 inch, doz., 10 cts.; 100, 35 cts.; 1000, \$2.50. 18 inch, doz., 15 cts.; 100, 60 cts.; 1000, \$4.00.

Size	Doz.	100	Size	Doz.	100
1 1/2 feet	\$0.20	\$1.00	3 feet	\$0.35	\$2.00
2 feet .....	.25	1.25	4 feet .....	.45	2.75

STAKES, JAPANESE CANE. Natural. 6 ft. Doz., 40 cts.; 100, \$2.50; 250, \$6.00; 1,000, \$19.00.

HEAVY ROUND PLANT STAKES.

	Each	Doz.	100
3 feet, Heavy or Dahlia.....	\$0.15	\$1.50	\$11.50
4 feet, Heavy or Dahlia.....	.20	2.15	15.50
5 feet, Heavy or Dahlia.....	.25	2.65	20.00
6 feet, Heavy or Dahlia.....	.30	3.00	23.00

Parcel post weight, per doz., 3 ft., 3 lbs.; 4 ft., 5 lbs.; 5 ft., 7 lbs.; 6 ft., 9 lbs.

Johnson's Seeds that Produce



MISCELLANEOUS SUPPLIES—Continued

WOOD STAKES. Light tapering, round, painted green.

	Doz.	100
1½ feet	\$0.50	\$ 2.50
2 feet .....	.90	4.50
2½ feet	1.00	6.00
3 feet	1.25	7.50
3½ feet	1.40	9.50
4 feet	1.65	12.50
5 feet	2.00	15.00
Parcel post weight, per doz., 1½ ft., 1 lb.; 2 ft., 1½ lbs.;		
2½ ft., 2 lbs.; 3 ft., 2½ lbs.; 3½ ft., 3 lbs.; 4 ft., 4 lbs.;		
5 ft., 5 lbs.		

ADJUSTO PLANT SUPPORT. Indispensable for Roses, Dahlias, Tomatoes and other plants. Stakes and wires complete.

	Each	Doz.
3 feet	\$0.25	\$2.50
4 feet .....	.30	3.00
5 feet .....	.45	4.50
6 feet .....	.50	5.00

Thermometers

TYCOS THERMOMETERS are the best and most carefully tested thermometers made.

No. 5154-S. Greenhouse. Black oxidized scale, with coppered metal case. 8 inch, each, \$1.00, postpaid.
No. 5452. 8 inch japanned; self registering. \$6.50.
No. 5981. Hotbed or Mushroom. \$2.50.

Plant Tubs

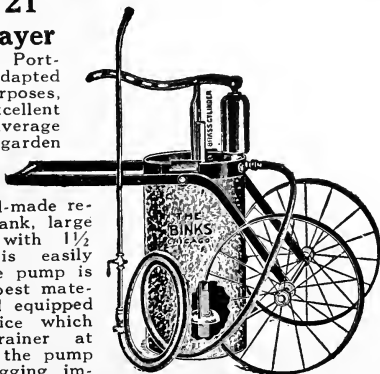
RICHMOND STYLE			NEW YORK STYLE		
Size	Diam.	Each	Size	Diam.	Each
No. 3	8 inch.....	\$0.90	No. 1	12 inch.....	\$3.40
No. 5	10 inch.....	1.00	No. 2	13 inch.....	4.00
No. 7	12 inch.....	1.50	No. 3	14 inch.....	5.50
No. 9	14 inch.....	2.00	No. 3½	16 inch.....	6.00
No. 11	16 inch.....	2.50	No. 4	19 inch.....	7.50
No. 13	18 inch.....	3.00	No. 5	22 inch.....	9.50



Auto-Spray
No. 9

Binks' No. 21 Portable Sprayer

Our Style No. 21 Portable Sprayer is adapted for all spraying purposes, and is a most excellent machine for the average grower, truck-garden owner, or suburban home. The machine is equipped with a well-made reinforced 12-gallon tank, large steel wire wheels with 1½ inch tires, and is easily wheeled about. The pump is constructed of the best material throughout, and equipped with agitating device which cleans suction strainer at every operation of the pump handle, making clogging impossible. Price, \$22.00.



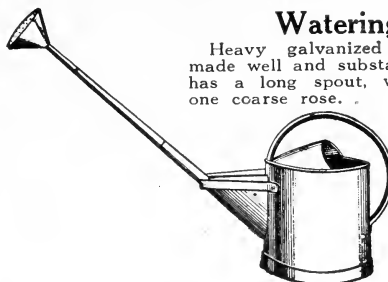
Binks' No. 21 Portable Sprayer

TREE SCRAPERS. Best steel, 10 and 20 inch handle, \$1.50.
D. S. T. STEEL SHANK TROWEL. These are somewhat long in blade and handle, making a very practical tool. 6 inch blade. Will last a lifetime. \$1.00 each. Parcel post weight, 1½ lbs.

TWINE. For stringing smilax, etc. (silkaline).
2 oz. spool.....\$0.40
1 lb.—8 spools..... 2.75
Green Sea Island Cotton. Single ball..... .25
TWINE, JUTE. 2 or 3 ply. Lb., 40 cts.; 10 lbs. at 38 cts. Ask for prices on larger lots.

Watering Pots

Heavy galvanized iron, reinforced; made well and substantially. Each pot has a long spout, with one fine and one coarse rose.



ROUND PATTERN

6 quart....	\$5.75
8 quart....	6.50
10 quart....	7.00
12 quart....	7.50

FRENCH OVAL PATTERN

6 quart	\$6.00
8 quart	6.50
10 quart	7.25
12 quart	8.50

HAW'S PATTERN—ENGLISH STYLE

2 quart	\$5.00
3 quart	6.00
4 quart	6.50
6 quart	7.00
8 quart	8.00

SPRAYERS

Auto-Spray No. 9—Compressed Air

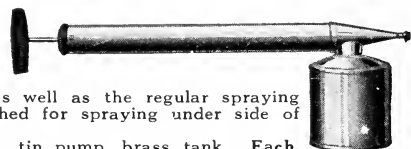
The Auto Spray No. 9 is the strongest and most simple in its working parts of any compressed air sprayer. Two pumpings of about 15 strokes on the plunger will discharge the contents under high and constant pressure. After pumping, the operator has nothing to do but direct the spray. This sprayer is equipped with a patent Non-Clogging Nozzle. Tank holds 3½ gallons.

Auto-Spray No. 9B—Brass tank.....	\$9.50
Auto-Spray No. 9D—Galvanized tank.....	6.50
Two-row Attachment—For spraying two rows at one time.....	1.50
Brass Extension Pipe—Two feet long.....	.70
Brass Elbows—For spraying under vines, etc.....	.40

Brown Continuous Sprayer

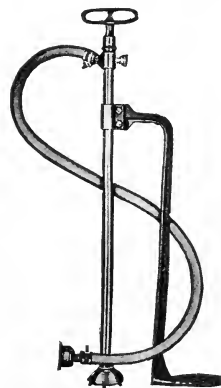
Sprays fly oils and disinfectants as well as the regular spraying materials. An extra nozzle is furnished for spraying under side of the foliage.

Brown's Sprayer No. 26B—One quart, tin pump, brass tank. Each, \$1.50.
Brown's Sprayer No. 23—½ gallon, tin pump, brass tank. Each, \$2.50. No. 26B



Bucket Sprayer

AUTO-SPRAY NO. 6, as shown herewith, is probably the most powerful bucket pump manufactured. This sprayer can easily generate a pressure of 200 lbs. The pump sprays perfectly on both the up and down strokes; 3½ feet of high-pressure ¾-inch hose, brass, fine spray nozzle, brass solid stream nozzle. Mail weight, 7 pounds. Complete, \$5.50. 2-foot brass extension, 50 cts.; mail weight, 1 pound.



Auto-Spray No. 6



Johnson's Seeds that Produce

Johnson's High Grade Fertilizers

ALL PRICES COVER CITY DELIVERY

Soil-Bil-Der

Containing Sheep Manure, Tankage and Chemical Super-phosphate.

Prices Delivered in Cleveland

1 lb.	\$0.15	50 lbs.	\$ 2.00
2 lbs. ....	.25	100 lbs.	3.50
5 lbs. ....	.45	500 lbs.	16.50
10 lbs. ....	.70	1000 lbs.	30.00
25 lbs.	1.25	2000 lbs.	60.00

Pulverized Sheep Manure

The Old Reliable Fertilizer

5 lbs.	\$0.40	50 lbs.	\$ 2.00
10 lbs. ....	.65	100 lbs.	3.50
25 lbs.	1.25	500 lbs.	16.00
		2000 lbs.	58.00

AGRICULTURAL HYDRATED LIME. It supplies the element calcium to plants; it makes "sour soil sweet," changes an acid condition to a slightly alkaline one; it has the power to shrink clay and adobe soils, making a larger number of crumbs from a sticky mass; it prevents packing, baking and cracking. In sacks weighing 50 lbs., per sack, \$1.00; 2 sacks (100 lbs.), \$1.75. Delivered anywhere in the city. Write for prices on ton lots.

NITRATE OF SODA. Apply in the home garden as a solution one ounce to two gallons of water. Lb., 25 cts.; 5 lbs., 75 cts.; 25 lbs., \$2.50; 50 lbs., \$4.00; 100 lbs., \$6.50. Write for prices on larger quantities.

BONE AND BLOOD. For cabbage, cauliflower, corn and other crops of big surface growth. 25 lbs., \$2.00; 50 lbs., \$3.50; 100 lbs., \$5.50; 500 lbs., \$25.00; 1000 lbs., \$45.00; 2000 lbs., \$80.00.

PURE CRACKED BONE. For grape vines, fruit trees, shrubs and trees of all kinds. 5 lbs., 75 cts.; 25 lbs., \$2.50; 100 lbs., \$8.50; 1/4 ton, \$35.00; 1/2 ton, \$65.00; ton price on application.

CLAY'S FERTILIZER. This valuable imported fertilizer is recommended for forcing. 28 lbs., \$5.00; 56 lbs., \$8.50; 112 lbs., \$15.50.

SCOTCH SOOT (Genuine imported). Gardeners know the value of the genuine article for stimulating a healthy growth of dark green foliage, and its beneficial effect in freeing the soil from slugs, grubs and cut worms. 5 lbs., \$1.25; 10 lbs., \$2.00; (1/4 cwt.) 28 lbs., \$3.25; (1/2 cwt.) 56 lbs., \$5.00; (1 cwt.) 112 lbs., \$8.50.

LEAF MOLD. Indispensable for azaleas, rhododendrons, etc. In sacks of about 100 lbs., \$3.00 per 100 lbs.

PEAT, ORCHID. For potting orchids, etc. In sacks of about 30 lbs. at \$3.50 per sack.

PEAT, ROTTED. Fine for mixing with soil for potted plants such as azaleas, palms, etc. In sacks of about 85 lbs. at \$5.00 per 100 lbs.

BLOOD (Dried). For indoor culture of flowering plants, like roses, carnations, etc., its chief element being nitrogen. 5 lbs., 90 cts.; 10 lbs., \$1.50; 25 lbs., \$2.50; 50 lbs., \$4.50; 100 lbs., \$8.50; 200 lbs., \$16.00.

ADCO

ARTIFICIAL STABLE MANURE

Make It Yourself—In Your Own Garden

Every bit of non-woody refuse that comes from your garden—cuttings, leaves, vines, etc.—should be mixed with "ADCO," kept moist and thus converted into high grade manure.

It is very simple and not a bit laborious and every garden needs manure.

PRICES

ADCO, in 25 lb. bags. (Enough for 12 wheelbarrow loads of garden waste, making about one-half ton of manure). Each, \$2.25.

ADCO, in 100 lb. bags. (Enough for a heap 6 ft. by 6 ft. by 6 ft., making about two tons of manure). Each, \$8.50.

ADCO, in 150 lb. bags, each, \$11.50.

Special price on Field ADCO in ton lots to farmers, market gardeners and other large users.

Lawn and Garden Fertilizer

Which is taking the place of Bone Meal

SUPERIOR BRAND

A fertilizer for all purposes. Especially recommended for lawns, having a higher analysis than Bone Meal and selling for the same price.

Prices Delivered in Cleveland

5 lbs.	\$0.40	100 lbs.	\$ 4.50
10 lbs. ....	.65	200 lbs.	8.50
25 lbs.	1.50	1000 lbs.	40.00
50 lbs.	2.50	2000 lbs.	70.00

Vigoro Odorless Plant Food

For Lawns, Gardens, Flowers, Shrubbery, Trees

Vigoro is specially prepared to supply growing things with all of the plant food elements needed for rapid, sturdy and luxuriant growth. Vigoro is odorless, clean and easy to apply. It can be sown by hand like grass seed. 100 lb. bag, \$5.00; 50 lb. bag, \$3.00; 25 lb. bag, \$1.75; 5 lb. pkg., 50 cts.

COW OR CATTLE MANURE (Shredded). One sack of this is equal to one cartload of fresh cow manure. Especially suited for soil mixing, mulching and liquid manuring. 100 lbs., \$4.00; 500 lbs., \$18.00; 1000 lbs., \$35.00; ton, \$65.00.

HARDWOOD ASHES. Highest grade unleached. For top-dressing lawns, especially if the soil is stiff or sour. 1/2 tons to the acre. 25 lbs., \$1.00; 50 lbs., \$1.75; 100 lbs., \$2.75; 500 lbs., \$11.00; 1000 lbs., \$20.00.

SULPHATE OF AMMONIA. Apply 75 to 100 lbs. per acre usually with other fertilizers deficient in nitrogen. 5 lbs., 75 cts.; 10 lbs., \$1.25; 25 lbs., \$2.25; 50 lbs., \$3.50; 100 lbs., \$6.00.

MURIATE OF POTASH. Apply 100 to 125 lbs. per acre usually with other fertilizers. 5 lbs., 75 cts.; 10 lbs., \$1.25; 25 lbs., \$2.50; 50 lbs., \$4.00; 100 lbs., \$7.00.

TANKAGE. For roses, etc., under glass; similar to dried blood. 50 lbs., \$2.75; 100 lbs., \$5.00; 200 lbs., \$9.00; ton, \$80.00.

MOSS, SPHAGNUM. For filling orchid baskets, etc., and for mixing with potting soil to conserve moisture. In large bales of about 30 lbs. at \$3.50 per bale, f. o. b. Cleveland.

IMPORTED PEAT MOSS



PRICES INCLUDE
LOCAL DELIVERY

Used for Top Dressing on Lawns and for Mulching Bulbs, Shrubs and Roses. Granulated Peat Moss is used with good results in flower and vegetable beds, around bush fruits, vines, shrubs, hedges and under fruit and ornamental trees. Peat

Moss stimulates the development of roots of all plants, which results in a quickened growth, because of the improved water and air supply. Highly recommended for top dressing on lawns as its use guarantees a soil that is light and friable, has good drainage and will not crust or bake after watering. Established lawns should be covered 1/2 inch deep with Granulated Peat Moss in the late fall. It will almost disappear by spring. If the fall covering has been omitted, cover lightly in the spring and occasionally during the growing season. It soon works in about the grass roots. Large bale, about 190 lbs. (covers 240 square feet 1 inch deep), \$5.00; 1/2 bale, \$3.00; 1/4 bale, \$2.00.

Johnson's Seeds that Produce



SPRAYING PAYS

ACME Insecticides and Fungicides



A RELIABLE BRAND

PARCEL POST. Only those insecticides marked * can be shipped through the mails. Articles so marked will be shipped provided sufficient postage is included with your order. Those not marked will be forwarded freight or express charges collect.

ACME TWO-WAY SPRAY. Use wet or dry on: Apple, sour cherry, currant and gooseberry, grape, pear, plum, strawberry, pecan, bean, beet, cucumber, pepper, potato, tomato and many other fruits and vegetables. $\frac{1}{2}$ lb., 35 cts.; 1 lb., 55 cts.

ACME ALL ROUND SPRAY. Save your roses, plants, vegetables, shrubs and trees from the ravages of chewing insects, sucking insects, blight and fungi. $\frac{1}{4}$ lb., 50 cts.; 1 lb., 95 cts.

APHINE. Effective against all soft-bodied and plant-sucking insects. Pt., 75 cts.; qt., \$1.15; gal., \$3.25.

ARSENATE OF LEAD, POWDER. $\frac{1}{2}$ lb., 30 cts.; lb., 50 cts.; 5 lbs., \$2.25; 10 lbs., \$4.00; 25 lbs., \$9.00; 50 lbs., \$17.00; 100 lbs., \$30.00.

BORDEAUX MIXTURE, POWDER. Can be used dry or with water. $\frac{1}{2}$ lb., 25 cts.; lb., 40 cts.; 4 lbs., \$1.25; 10 lbs., \$2.75; 20 lbs., \$5.00.

COPPER SOLUTION. An excellent spray for mildew, blight and rust. Qt., \$1.50; gal., \$4.00.

CYANOGLAS. For greenhouse fumigation for aphids, white fly, thrip, etc. G Grade, 5 lbs., \$2.50; 25 lbs., \$8.50; 100 lbs., \$25.00.

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KEROSENE EMULSION. Remedy for sucking insects like plant lice, scale, mealy bug, etc. Pt., 50 cts.; qt., 95 cts.; gal., \$2.25.

***LEMON OIL.** It effectually controls mealy bugs, scale, thrips and red spider. Pt., 60 cts.; qt., \$1.00; $\frac{1}{2}$ gal., \$1.75; gal., \$3.00; 5 gal. keg., \$12.50.

LIME-SULPHUR, POWDERED. Will readily mix with cold water. 20 to 25 pounds will make 50 gallons liquid. Lb., 40 cts.; 5 lbs., \$1.40; 10 lbs., \$2.25; 25 lbs., \$4.75; 100 lbs., \$15.50.

LIME-SULPHUR SOLUTION, LIQUID. For San Jose and all other scale insects. Spray when the tree is dormant in the early spring or late fall. Qt., 50 cts.; 2 qts., 75 cts.; gal., \$1.25; 5 gals., \$3.75; $\frac{1}{2}$ bbl., 25 cts. per gal.; bbl., 23 cts. per gal. Barrels charged at \$2.00 each, but are returnable for credit.

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PARIS GREEN. $\frac{1}{4}$ lb., 25 cts.; $\frac{1}{2}$ lb., 40 cts.; lb., 75 cts.

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SCALECIDE. Used for the destruction of the San Jose Scale. Dilute at the rate of one gallon Scalecide to 20 gallons of water. Qt., 75 cts.; gal., \$2.00; 5 gals., \$7.50; 10 gals., \$12.50; 30 gal. bbl., \$29.50; 50 gal. bbl., \$43.50.

SULPHO TOBACCO SOAP. Especially good for destroying scale on palms and other plants. 3 ozs., 15 cts.; 6 ozs., 25 cts.

***SLUG SHOT.** Non-poisonous powder. Very effectual in destroying potato bugs, beetle, slugs, worms, caterpillars. 1 lb. carton, 20 cts.; 5 lbs., 65 cts.; 10 lbs., \$1.35; 25 lbs., \$3.00.

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TOBACCO DUST. Lb., 15 cts.; 5 lbs., 65 cts.; 10 lbs., \$1.00; 50 lbs., \$3.75; 100 lbs., \$7.00.

***TOBACCO STEMS.** For fumigating. 10 lbs., \$1.00; bbl. sack, \$1.75; 100 lbs., \$3.00.

THRIP JUICE (Hammond's No. 2). Effective for exterminating aphids, red spider, mealy bug, etc. Pt., 85 cts.; qt., \$1.45; gal., \$4.50.

***TREE TANGLEFOOT.** A paste preparation for painting around the trunks of trees, in the form of a band, and insects and other crawling pests cannot get over it. Lb., 60 cts.; 5 lb. cans, \$2.75; 10 lb. cans, \$5.25; 25 lb. cans, \$11.00.

VERMINE. For all soil vermin, such as cut-, eel-, wire- and grub-worms, slugs, root lice, maggots and ants. Pt., 75 cts.; qt., \$1.25; gal., \$3.50.

VOLCK. Effectually controls mealy bug, white fly, red spider, aphids, thrips, etc. One gallon makes from 32 to 100 gallons of spray solution. $\frac{1}{2}$ pt., 50 cts.; qt., 75 cts.; gal., \$1.00; gal., \$3.00; 5 gals., \$12.00.

WILSON'S O. K. PLANT SPRAY. For aphids, thrip, mealy bug, scale, rose bugs and many other insects. $\frac{1}{2}$ pt., 50 cts.; 1 qt., \$1.50; 1 gal., \$3.50; 5 gals., \$12.00; 10 gals., \$20.00; 25 gals., \$50.00; 50 gals., \$90.00.

***WHALE or FISH OIL SOAP.** For destroying and preventing insects on plants, trees, vines, etc. Lb., 35 cts.; 5 lb. can, \$1.50.

X. L. ALL LIQUID INSECTICIDE. For spraying very delicate plants; kills mealy bug, red spider and all insect pests. Pt., \$1.50; qt., \$2.75; 2 qts., \$5.25. All British measure, which is larger than U. S. measure.

Scientific Preparations Endorsed by Leading Rosarians and by Us

Fungtrogen
FUNGICIDE FERTILIZER

Conquers Mildew and Black-Spot on roses and diseases of other plants. Assures luxuriant foliage and bloom.

$\frac{1}{2}$ pt. \$0.75
Pt. 1.25
Qt. 2.00

$\frac{1}{2}$ gal. \$3.50
Gal. 6.00

Aphistrogen
APHIDICIDE

Destroys Aphids, and all Plant-Lice. Feeds the plant through the foliage. Splendid for house plants.

2 oz. (sample bottle) . \$0.50
 $\frac{1}{2}$ lb. ($\frac{1}{2}$ pt.) 1.25

1 lb. (pint) \$2.25
2 lbs. (quart) 3.50
12 lbs. ($\frac{1}{2}$ gals.) 15.00

Insectrogen
INSECTICIDE FERTILIZER

A remarkably effective insecticide that rids your roses and plants of leaf-chewing insects, including caterpillars, slug worms, Japanese beetle, etc., and many blights. Also fertilizes the plant through the foliage. Use alternately as a companion spray with Fungtrogen. Both carry their own spreader. Only water is required.

4 oz. \$0.60
 $\frac{1}{2}$ pt. 1.00
Pint 1.75

Quart \$2.75
 $\frac{1}{2}$ gallon 4.50
1 gallon 8.00

All these sprays are highly concentrated, making 60 times their volume when diluted with water.

Ferogen
GROUND DRESSING
SOIL STABILIZER AND FERTILIZER

Spring-Summer Ground Dressing and Ground Stabilizer. A valuable plant-food. Reinforces manure fertilizer. Supplies essential elements to the soil.

1-lb. tins. \$0.75
2-lb. tins. 1.25
5-lb. tins. 2.75

10-lb. tins. \$4.75
25-lb. tins. 11.00
100-lb. kegs. 40.00

Gerogen
GROUND DRESSING
FUNGICIDE INSECTICIDE FERTILIZER

Autumn-Winter Ground Dressing and Soil Disinfectant. Destroys the spores of fungi of most diseases. Kills the larva of insects, such as rose-pith, borer, rose bugs, Japanese beetle, aphids, and ants. A valuable fertilizer.

1-lb. tins. \$0.75
2-lb. tins. 1.25
5-lb. tins. 2.75

10-lb. tins. \$4.75
25-lb. tins. 11.00
100-lb. kegs. 40.00

NOTE—A 10-pound tin of Ferogen or Terogen is sufficient for one application for 30 to 50 rose bushes.



Johnson's Seeds that Produce

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CLEVELAND, O.**



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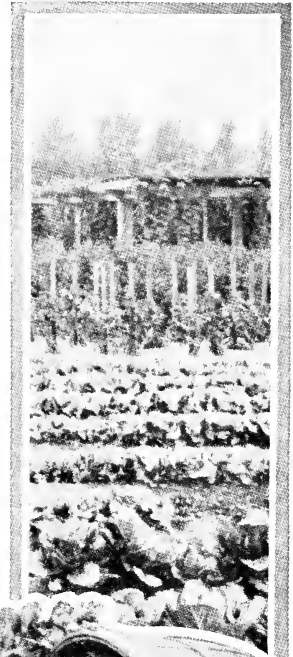
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 Lettuce, Curled Simpson. Early leafy sort.
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 Parsnip, Hollow Crown. Sweet as sugar.
 Parsley, Double Curled. Very fine.
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 Radish, Scarlet Globe. Round; red.
 Radish, White Icicle. Long; white.
 Salsify, Mammoth Sandwich Island. Fine.
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Cleveland, Ohio





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